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A Dictionary of

Proto-Circassian Roots



A D I C T I O N A R Y O F
P R O T O - C I R C A S S I A N R O O T S

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A C K N O W L E D G E M E N T S

This basic Proto-Circassian dictionary was written as a contribution to a continuing program in describing and analyzing the North-West Caucasian languages and in reconstructing the proto-language. The Abkhaz and Circassian (Sapsug) parts of this program have been and are being supported by the Netherlands Organization for the Advancement of Pure Research. The University of Leiden has made it possible to attract Sapsug and Abazinian consultants. To both these Institutions warm gratitude is due.

The material presented here was originally intended for internal use. The Peter de Ridder Press has kindly suggested to publish it in offset form. I welcome this opportunity to give it a wider distribution. I hope it will be of some use to colleagues elsewhere. Their suggestions and criticisms are invited.

I very warmly thank Mr. Rashid Dahabsu of River Edge, New Jersey, U.S.A. for his untiring assistance in providing Bžedux material, and also Mr. Nazim Met of Utrecht, The Netherlands for helping out with Sapsug forms.

I hope this booklet marks an advance along the road mapped out by N.F. Jakovlev in his 1927 Materialy dlja kabardinskogo slovarja. I know this remarkable linguist was mentally incapacitated and could not be visited in 1962 when I was in Moscow. Today I do not know whether to dedicate this contribution to him or to his memory. But l'homme c'est rien, l'oeuvre c'est tout, and his work is alive and will continue to be.

To N. F. Jakovlev

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I N T R O D U C T I O N

PURPOSE This dictionary of Proto-Circassian elements is meant to be a contribution towards establishing strict sound-correspondences between the North-West Caucasian languages: Circassian, Ubykh and Abkhaz. A reconstruction of the Proto-Circassian sound system was carried out by the author in 1963 (see references at the end of this introduction). The next step, taken here, is to present a large number of elements for which the Proto-Circ. form can be established. These will allow comparison with Ubykh and Abkhaz.

CIRCASSIAN Circassian falls into two distinct dialect-groups, each served by a literary language: West Circassian (adygejskij jazyk) and East Circassian (kabardinskij jazyk). For our purpose the most important W. dialects are Bžedux, Šapsug and Temirgoj, the literary dialect; of the E. dialects, the literary Kabardian is better known than the phonetically richer Beslenej.

SOURCES The sources used for this dictionary consist of Bžedux field notes collected in the 'fifties with the collaboration of Mr. Rashid Dahabsu, of the dictionaries of the literary languages which have appeared since then, and of a few dialect vocabularies. Additional information was supplied in 1975 by Mr. Dahabsu by letter and by Mr. Nazım Met (Šapsug) through the intermediary of Mr. H.J.A.J. Smeets.

LIMITATIONS The dictionary is limited to items of the types CV and CVCV, where C stands for a consonant(-cluster) and V for a or e. The units CVCV presented encompass all unanalyzable cases that were found, and a number of analyzable ones. The latter were included for a variety of reasons: they contain unique components, have unpredictable meanings, demonstrate the use of bound forms, etc. Only stems are listed, including bound forms but to the exclusion of grammatical affixes. The material is further limited in that, besides field notes, it is based on a perusal of the Circassian-Russian dictionaries, the Russian-Circassian ones being checked in individual cases only. A third limitation is imposed by the available material itself: only such items are given the reconstruction of which is uniquely determined.

RECONSTRUCTION For a reconstruction it suffices in general to have the Bžedux and the Kabardian forms; where the two are in one-to-one correspondence a single form suffices. However, the dictionaries of the literary Temirgoj dialect contain many items not represented in my Bžedux material, and in Temirgoj the voiceless aspirated (p^h, š^h, etc.) and unaspirated (p:, š:, etc.) plosives and fricatives have coincided. In the case of the plosives, the a-

vailability of a Kabardian cognate allows a reconstruction, as in Kabardian p: has coincided not with p^h but with b, t: with d, etc. Hence the Temirgoj/Kabardian correlation p/p points to *p^h (Bžedux p^h), the correlation p/b to *p: (Bžedux p:) and b/b to *b (Bžedux b). In the case of the fricatives no reconstruction is possible without the Bžedux form, cf. the Temirgoj/Kabardian correlations š'/š (Bžedux š^h' or š:') and š/š (Bžedux š^h or š:). On the other hand, in Bžedux and Temirgoj the velar plosives (k-series) have coincided with the palatalized palatal ones (č'-series), and here a Kabardian (or Šapsug) cognate is required, cf. the Bžedux-Temirgoj/Kabardian correlations ž'/g or ž, č'/k or š, etc.

PROTO-CIRCASSIAN PHONEMES For every Proto-Circassian phoneme the conditions for its reconstruction can be stated in the above way. These conditions will also follow from a statement of the original sound system and of the developments resulting in the dialects on which this study is based: Bžedux, Temirgoj and Kabardian. The Proto-Circ. system of consonants -- more precisely, of uniconsonantal segments C(a) -- is given below, the feature a being disregarded. I agree with Balkarov (1970:258) that the units written *ʔ, *ʔ° in 1963 are better ranged in the uvular series as *q̣, *q̣°. There is no Circassian evidence, however, for either voiced uvulars (pharyngals in Balkarov's terminology) or unrounded alveolopalatal affricates (ibid.).

Labials	p ^h	p:	b	p̣			
Dental Stops	t ^h	t:	d	ṭ			
Dental Affricates	c ^h	c:	ʒ	c̣	s	z	
Alveolopalatals					ʃ	ʒ	ʃ̣
Id., labialized	ç ^h °	ç:°	ʒ°		ʃ°	ʒ°	ʃ̣°
Palatals, palatalized	č ^h '	č:'	ʒ'	č'	š ^h '	š:'	ž'
Id., plain	č ^h	č:		č	š ^h	š:	ž
Laterals					λ	l	λ̣
Velars	k ^h	k:	g	ḳ	x	g̣	
Id., labialized	k ^h °	k:°	g°	ḳ°	x°		
Uvulars	q ^h	q:		q̣	χ	g̣	
Id., labialized	q ^h °	q:°		q̣°	χ°	g̣°	
Pharyngal					ħ		
Others: h, y, w, m, n, r							

DEVELOPMENTS The following abbreviations are used here and in the dictionary: B(žedux), T(emirgoj), Š(apsug), K(abardian), Be(slenej). As the overwhelming majority of the reconstructions are based on B, T and K, we treat only these dialects here, with an indication of Š features only insofar as they have been made use of (in the absence of K data).

B T K *q̊, *q̊° > ʔ, ʔ° (parlers of Š preserve q̊, q̊°)

B T *x° > f (except in šx°, preserved in T, > šk:° in B)

*čh', *čh > šh', šh (merger)

*k̊h, *k̊:, *g, *k̊ > čh', č:', ʒ', č̊' (merger for the latter three; the shift *čh' > šh' antedates *k̊h > čh')

T All voiceless-aspirated and -unaspirated conss. merge (*p̊h, *p̊: > p, etc.)
*q̊h, *q̊: > q; *q̊h°, *q̊:° > q°

K Voiceless unaspirated plosives merge with voiced ones (*p̊:, *b > b, etc);
*q̊:, *q̊:° > q̊, q̊°

*çh°, *š° > f; ʒ° (< *ç:°, *ʒ°), ʒ° > v; š̊° > f̊

Aspirated fricatives merge with voiceless unaspirated ones (*š̊h, *š̊: > š̊, etc.)

Plain and palatalized palatals merge (*š', *š > š, etc.)

č (< *čh', *čh) > š; ʒ (< *č: ', *č:, ʒ') > ʒ; š (< *š̊h', *š̊: ', *š̊h, *š̊:) > š̊; *č̊ (< *č̊', *č̊) > č̊

Š, like K, merges the plain and palatalized palatals and preserves the velar plosives. Some parlers of Š, including that of Mr. Met, where the other aspirated and unaspirated consonants coincide (as in T), retain the distinction of *q̊h, *q̊h° versus *q̊:, *q̊:° in the form š, š° versus q, q°, the aspirated members having merged with the corresponding voiceless fricatives. Both these characteristics of Š have been used in some cases where a K cognate was lacking.

LIST OF PROTO-CIRCASSIAN SEGMENTS

Complexes CV are regarded as the phonetic units of reconstruction. Where C is a cluster, the non-final members have no independent laryngeal articulation, and in reconstructed forms they are written with capitals. The majority of biconsonantal segments contain an initial P (33x), less common are T (7x), Š (5x), Š̊ (5x), occasionally we find S Š̊° Š' Č̊ L. In the list of reconstructed segments we disregard the feature a (and e is non-phonemic on the level of morphemes; in the dictionary it is written to facilitate reading). The order of the list is from front to back (labials, dentals, etc.); this same order is used throughout the dictionary. Biconsonantal cases are ordered according to their final element (*Px, *Tx after *x, etc.) except for the segments with *-q̊, *-q̊° (see comments below). With each reconstructed segment the Bžedux/Kabardian correspondence defining it is given. (List see p. 6)

The segments *Pq̊, *Pq̊° are given with *p̊ (4), the segment *Tq̊° with *t̊ (14) and *Šq̊ with *š̊ (29). In all these cases there is an historical development of the type Pq̊° > Pʔ° > p̊° > p̊, one dialect often having alternative forms in individual words. The segments *Pč̊ and Š̊°č̊ are given under one heading (20) because the distinction is limited to Š and the data are conflict-

1. *p ^h	p ^h /p	31. *ç ^h °	ç ^h °/f	68. *k ^h	č ^h °/k	104. *q ^h °	q ^h °/q°
2. *p:	p:/b	32. *ç:°	ç:°/v	69. *k:	č:/g	105. *q:°	q:°/q°
3. *b	b/b	33. *z°	z°/v	70. *Pk:	pč:/bg	106. *q°	q°/q°
4. *p̥	p̥/p̥	34. *s°	s°/f	71. *g	z'/g	107. *x°	x°/x°
*Pq̥	p̥/p̥	35. *z°	z°/v	72. *k̥	č'/k̥	108. *Px°	px°/px°
*Pq°	p°/p̥	36. *s̥°	s̥°/f̥	73. *Pk̥	pč'/pk̥	109. *Tx°	tx°/tx°
5. *t ^h	t ^h /t	37. *č ^h °	š ^h °/š	74. *Šk̥	šk̥/šk̥	110. *Sx°	sx°/sx°/s̥x°
6. *St ^h	st ^h /st	38. *Pč ^h °	pš ^h °/pš	75. *x	x/x	111. *g°	g°/g°
7. *S't ^h	š't ^h /st	39. *č:°	č:°/ž	76. *Px	px/px	112. *Pg°	bg°/bg°
8. *St ^h	st ^h /st	40. *Pč:°	pč:°/bž	77. *Tx	tx/tx	113. *ñ	ñ/ñ
9. *t:	t:/d	41. *z'/	z'/ž	78. *Š'x	š'x/šx	114. *Tñ	tñ/tñ
10. *St:	st:/s(t)	42. *Pz'	bz'/bž	79. *Šx	šk:/šx	115. *Sñ	sñ/sñ
11. *S't:	š't:/st	43. *č'	č'/s̥	80. *g̥	g̥/g̥	116. *Lñ	lñ/lñ
12. *S°t:	s°t:/ft	44. *Pč'	pč'/p̥s̥	81. *Pg̥	bg̥/bg̥	117. *h	h/h
13. *d	d/d	45. *š ^h °	š ^h °/s̥	82. *k ^h °	k ^h °/k°	118. *y	y/y
14. *t̥	t̥/t̥	46. *Pš ^h °	pš ^h °/p̥s̥	83. *k:°	k:°/g°	119. *w	w/w
*Tq̥°	t̥°/t̥	47. *š:°	š:°/s̥	84. *g°	g°/g°	120. *m	m/m
15. *c ^h	c ^h /c	48. *Pš:°	pš:°/p̥s̥	85. *k̥°	k̥°/k̥°	121. *n	n/n
16. *c:	c:/z	49. *ž'	ž'/z̥	86. *Tk̥°	t̥k̥°/t̥k̥°	122. *r	r/r
17. *Pc:	pc:/bz	50. *Pž'	bž'/bz̥	87. *Šk̥°	šk̥°/šk̥°	123. *PS't ^h	pš't ^h /p̥st
18. *z	z/z	51. *č ^h	š ^h /š	88. *x°	f/x°	124. *PSt:	pst:/...
19. *č	č/č	52. *Pč ^h	pš ^h /pš	89. *Tx°	tf/tx°	125. *PSk ^h	pč ^h °/psk
20. *Pč	pč/pč	53. *č:	č:/ž	90. *Čx°	šk:°/šx°	126. *PSk̥	pč̥/psk̥
*S°č	pč, s̥°/pč	54. *Pč:	pč:/bž	*Šx°	šk:°/šx°	127. *PSk̥°	.../psk̥°
21. *s	s/s	55. *č	č/s̥	91. *Lx°	lf/lx°	128. *STx̥	stx̥/stx̥
22. *Ps	ps/ps	56. *Pč	pč/p̥s̥	92. *q ^h	q ^h /q	129. *STx°	stx°/...
23. *z	z/z	57. *š ^h	š ^h /s̥	93. *q:	q:/q̥	130. *PSñ	.../psñ
24. *Pz	bz/bz	58. *š:	š:/s̥	94. *Pq:	pq:/p̥q̥		
25. *s̥	s̥/s̥	59. *Pš:	pš:/p̥s̥	95. *q̥	q̥/q̥		
26. *Ps̥	ps̥/ps̥	60. *ž	ž/z̥	96. *x̥	x̥/x̥		
27. *z̥	z̥/z̥	61. *Pž	bž/bz̥	97. *Px̥	px̥/px̥		
28. *Pz̥	bz̥/bz̥	62. *λ	λ/λ	98. *Tx̥	tx̥/tx̥		
29. *s̥	s̥/s̥	63. *Pλ	pλ/pλ	99. *Sx̥	sx̥/sx̥		
*S̥q̥	s̥/s̥	64. *l	l/l	100. *Sx̥	sx̥, šx̥/s̥x̥		
30. *P̥s̥	p̥s̥/p̥s̥	65. *Pl	bl/bl	101. *g̥	g̥/g̥		
		66. *l̥	l̥/l̥	102. *Pg̥	bg̥/bg̥		
		67. *Pl̥	p̥l̥/p̥l̥	103. *Sg̥	zg̥, žg̥/z̥g̥		

LIST
of Proto-Circ.
segments with
Bžedux-Kabardian
correspondences.

ing. The same is true of the distinction between *Čx° and *Šx° (90), noted in several dialects by Jakovlev (1930:VIII), but unclear in later sources and not made in the dialects of my informants. In both the latter cases one segment is clearly a contraction: *š°ča < *š°eča black, *čx°a < *čhex°a rein (cf. *čhe horse, *x°a sinew, tendon). Šapsug continues *č as š in part of the cases (and *Pč always as pš). I do not think that this distinction is old. And with the meaning black Š has -pša besides -š°ta, e.g., in q:°āpša swarthy, yaťāpša chernozem (Kerasheva 1957:40), so that this distinction, too, may be recent.

CONNECTIVES Both analyzable and unanalyzable units CVCV may contain a connective element -m-, -n- or -r-, and dialects may differ as to presence and type of such an element. Where such connectives occur, they are given in the reconstructed form, e.g., *CVnCV if all dialects have -n-, *CV^r/nCV if some dialects have -r-, others -n-, *CV(n)CV if some dialects have -n- and others lack a connective. A connective -ah- (= ā) is not given in reconstructed forms as in the dialects its presence is almost totally phonetically conditioned: it is present in units CaCa, i.e. when both segments have the feature a. The connectives -m-, -n-, -r- occasionally form an open syllable by themselves; for instance, berry of the snowball tree has the form zanž°e or zarež°a in Temirgoj, zarg in Šapsug, zarega in Kabardian. This feature is disregarded in the reconstructed form *za^r/ng(a), where the a in parentheses indicates that the second element CV may have a or e.

THE FEATURE A The presence vs. absence of a may be grammatical, the forms with a being intransitive (vs. transitive), adverbial (vs. nominal), illative (vs. relative). In addition, dialects or even one dialect may show variation as to the presence of a. In both types of cases the reconstructed form is given with a in parentheses.

ORGANIZATION OF DICTIONARY Each item in the dictionary is given first in its reconstructed form and then in the W. and/or E. Circ. forms on which the reconstruction is based. The W. and E. Circ. forms are separated by a slash "/". As practically all the E. Circ. words are Kabardian, the letter K is omitted after the slash. If meanings differ in W. and E. Circ., they are also separated by a slash. If an item is not found in W. resp. E. Circ. the slash is preceded resp. followed by three dots. Where possible, for W. Circ. the B form is given. Where T or Š forms are quoted this does not mean that the item is unknown in B but only that it is not represented in my material. Š forms furnished by Mr. Met are marked ŠM.

The units CVCV are listed twice, under the headings of both C₁ and C₂, so that any heading lists all instances of the element concerned. For instance, the word š°eze woman is listed both under 34 *š° and under 23 *z. The dialect forms and any other comments are given with the alphabetic list-

ing under C₁. The -C₂ listings (e.g. that of *š^oeze under *z) are accompanied by a translation and, in case the item is known from either W. or E. Circ. exclusively, by an indication of the dialect source. The absence of such an indication means that the item is common to W. and E. Circ.

Since any heading lists all instances of the segment concerned, analyzable units CVCV are listed without explicit reference to their parts, e.g., *P̄x̄aš^oa treebark is listed without reference to *P̄x̄a wood, etc. and *š^oa skin, bark. References to related units are given only in less obvious cases. Possible but uncertain connections are indicated by "cf?".

In a number of cases the dialect forms quoted include affixes. The most common of these are the indirect object prefix ya-, the causative prefix ǵa- and the verbal noun suffix -n. The petrified prefix we- (Dumézil-Namitok 1939) is treated like any other stem-segment in units *weCV, but units *weCVCV are included in the dictionary in the alphabetic place of -CVCV.

In W. Circ. forms final a and e are always written, also in cases where they are dropped word-finally. Kabardian forms are given as pronounced because they preserve final a and have the zero variant of -C̄e in CVC, so that the actual forms provide the maximum of etymological information.

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ABBREVIATIONS AND SYMBOLS

Abaz.	Abazinian	Oss.	Ossetian
Abkh.	Abkhaz	Pers.	Persian
B	Bžedux	poss.	possibly
Balk.	Balkar	prob.	probably
Be	Beslenej	Russ.	Russian
bot.	botanical term	<u>sb.</u>	<u>somebody</u>
cf?	doubtful comparison	<u>stg.</u>	<u>something</u>
dial.	dialectally	S	Sapsug
esp.	especially	SM	Sapsug of Mr. Met
geogr.	geographical term	T	Temirgoj
Geo(rg).	Georgian	tr.	transitive
(in)tr.	form with <u>a</u> is itr., form without <u>a</u> is tr.	Tu	Turkish
Germ.	German	Ub.	Ubykh
itr.	intransitive	w.	with
Kar.	Karachay	zool.	zoological term
orig.	originally		

C(a) both Ca and Cə
 / separates W. and E. Circ. forms and meanings.
 .../, /... form not found in W. resp. E. Circ.

TYPOGRAPHICAL NOTE

Note carefully the letters ʒ ǰ Š Č
 which stand for ʒ ǰ Š Č

1. p^h

- *p^ha -- B p^ha/pa nose, front, beginning, etc.
- *p^h(a) -- B zag^oa-p^ha-n/zag^oa-p to be speechless (e.g. from anger)/ to be angry (zag^oa- Germ. auseinander, Russ. raz-).
- *p^heʒe -- B p^heʒe/peʒ hedgehog/blackthorn (K peʒ-bāna hedgehog, see *p:ana).
- *p^heʎe -- T peʎe/pel (Tu. fil; younger loan in T: feyl).
- *p^heʒ(a) -- B p^heʒa, ya-p^heʒ'e/pega, ya-peg to butt, gore.
- *p^herχ(a) -- T perχa/perχa to snore, T čeya-perχe snoring (noun).
- *p^heđ^oa -- B p^hā^oa/pe^oa cap, hat.
- *p^herχ^oa -- .../perχ^oa passageway, porch.
- *p^hePχ^oa -- .../pePχ^oa haystack.
- *p^heħa -- T peħa-n/peħa to cry, howl, sob.
- *p^hat^ha -- B ġa-p^hat^ha-n/... to damage, wear out (a surface).
- *p^ha(m)Pč(a) -- B p^hāpča/pā(m)pča sharp point, edge; sharp, K wepapč to sharpen.
- *p^hase -- Š p^hase/Be pase to be worthy of (cf? Geo. pasi)
- *p^hasa -- B p^hāsa/pāsa early, long ago.
- *p^haPʒa -- B p^hābʒa/pābʒa bush, shrub (T pābʒa thick, high grass, especially at roadside).
- *p^hač'a -- B p^hāč'a/pāš'a moustache.
- *p^haPč'a -- B p^hāpč'a/pāpš'a because
- *p^hač'h'e -- B p^haš'h'e/paš room.
- *p^hač'h'a -- B p^hāš'h'a/pāša leader (Pers. pādšāh king; T has, besides pāš'a, also pāša pasha from Tu paša).
- *p^haPč:ə -- T papčə/pabž every time/equal, equivalent.
- *p^hala -- T pāl/pāla as if / similar, same (K hada-pāla stepfather).
- *p^haPʎe -- T papʎe/papʎ red-nosed.
- *p^haķa -- T pāč'a/pāķa stretch, interval, zone.
- *p^haġa -- B p^hāġa/pāġa haughty.
- *p^haPġe -- T pabġe/pabġ bridge of nose.
- *p^hak:^oa -- B p^hāk:^oa/pāg^oa blunt.
- *p^hag^oa -- B p^hāg^oa/pāg^oa carp, fish (generic); blunt-nosed / blunt.
- *p^hak^oa -- B p^hāk^oa/... saddle flap.
- *p^hax^oe -- T pafe/pax^o white-nosed.
- *p^haq:a -- B p^hāq:a/pāq'a snub-nosed.
- *p^haTħa -- B p^hātħa/... ragamuffin.
- *p^haPġa -- .../pābġa striving, eager, burning with desire.
- *p^hašħa -- B p^hāšħa/pāšħa before, in presence of; K also place of honor away from door (cf. *Flašħa).
- *p^ham(a) -- B p^hāma, ya-p^hame/pāma, ya-pam to smell (something).

- *be(n)ʒ'(a) -- T nebeʒ'ə/benʒa navel (order and status of segments in reconstruction uncertain; Ub. nebeʒ', Abaz. benʒ'a, Abkh. a-č'aṗan).
- *beλe -- T ḡa-beλe-n/... to hide, tr.
- *bexe -- S ya-bexe-n/... to fall through (ice), vanish.
- *bek'oe -- T bek'oe/... little calf.
- *beq'(a) -- T be'oe/be'oa crooked, misshapen, T txə-be'oe/txəbe'oe hunchbacked, T be'oeabeš'a/be'oeabeša deformed, misshapen.
- *beχ'oe -- B beχ'oe/beχ'oe wide (as of clothes, opening).
- *beḡ'oe -- T beḡ'oe/... pedigreed bull (cf? Tu. buḡa).
- *beya -- S beya/... mole (zool.).
- *bewe -- B bewe/bew to moo.
- *bene -- B bene/ben (children of) family (cf? Oss. byn inheritance).
- *bambe -- T bambe/... lever, jack.
- *webat^ha -- B webat^ha-n/... to break (e.g. a plate), tr.
- *bartā -- T tχ'oe-bārtā/... fresh, fluffy butter (tχ'oe butter).
- *baʒa -- B bāʒa/bāʒa fly (zool.).
- *baʒ'oe -- B ḡa-baʒ'oe/bav year ḡa with good harvest / harvest.
- *bač^h'oe -- B baš^h'oe/bāš stick (K ā exceptional).
- *baʒ'a -- B bāʒ'a/bāʒa fox.
- *bage -- B baʒ'oe/bag spider.
- *baḡe -- B baḡe/baḡ to swell.
- *bag'oe -- B bag'oe/bag'oe pimple, scab, rash, B 'aḡabag'oe/'aḡabag'oe mushroom.
- *baq^h'e -- B baq^h'e/baq cowshed.
- *baq:oe -- T ḡasa-baq:oe/(ḡasa)baq'oe furrow/boundary (between plots ḡasa).
- *baq:oa -- B bāq:oa/bāq'oa to step, stride.
- *baḡ'oa -- T bāḡ'oa/bāḡ'oa to be(come) rich, esp. of harvest/to multiply, itr.
- *baye -- B bāye/bay rich (cf? Tu. bey).
- *baw(a) -- T bawa-n, B ya-bawe/bāwa, ya-baw to kiss/to breathe.
- *bama -- B bāma/bāma stench.
- *bane -- B bane/ban coffin (T grave).
- *ban(a) -- B ya-ban/bāna, ya-ban to fight.
- *bana -- B bāna/bāna to bark.

- | | | | |
|--------|---|---------------------------------------|------------------------------|
| *bebe | <u>to fly/to flutter</u> | *labe | T <u>moist</u> |
| *bambe | T <u>lever, jack</u> | *k ^h oe ^r /mbe | <u>hole, hollow</u> |
| *šebe | S <u>to fill (as sack)</u> | *x ^o ambe | T <u>quiet, still</u> |
| *Pšabe | T <u>back of neck</u> | *q:abe | <u>pumpkin</u> |
| *č'ebe | <u>back, rear</u> | *Sḡerbe | <u>wild grape/gooseberry</u> |
| *Pžebe | <u>cupped hand, handful</u> | *q'oebe | <u>gulp/to gulp</u> |
| *λabe | B <u>butt of rifle</u> , T also <u>heel</u> | *q'oebe | <u>to overturn</u> |
| *λambe | K <u>footprint</u> | *ḡ ^o (a) ^r /mbe | T <u>burrow, hole</u> |

*T̥ha(m)be	<u>lungs</u>	*(P)ḡ°amba	<u>finger, toe</u>
*ḡaba	<u>soft (material, character)</u>	*Tḡ°e ^r /mba	<u>foam</u>
*ḡ°aba	T <u>(to do stg.) in a hurry</u>	*haba	<u>chasuble-type garment</u>
*x°aba	<u>warm</u>	*web(a)	<u>to trample, pound, crush;</u> <u>to slander</u>
*x°aba	<u>a soup w. lumps of dough</u>	*neba	<u>belly</u>
*ḡaba	<u>(to stretch out the) hand,</u> K also <u>to steal</u>		

4. ḡ, Pḡ, Pḡ°

(The three possibilities are not ordered alphabetically. *Pḡ, *Pḡ° are written where there is evidence from any dialect. Probably Proto-Circ. itself had alternative forms for a number of elements).

- *Pḡ°(a) -- B ḡ°(a)/ḡ(a) to raise (children), bring up, (in)tr.
- *ḡa -- .../ḡa imprint, trace.
- *Pḡa -- B ḡa S pḡa/ḡa bed, bedding.
- *Pḡ°a -- B ḡa S pḡ°a/ḡa place.
- *Pḡ°a -- B ḡya-ḡ°a/tay-ḡa to cover (ḡya- on), T ḡ°a, ḡa cover, lid, shell, sheath, etc.
- *ḡet(a) -- B ḡete/ḡet to crush, press, B da-ḡeta/da-ḡeta to jam, pinch (da- in). Cf. *ḡarta.
- *ḡese -- B ḡese/ḡes futuere.
- *ḡeč°a -- B ḡeč°a/ḡeša to freeze, feel cold.
- *ḡerk°e -- T ḡerk°e/... compact (of fabrics).
- *weḡešk°e -- B weḡešk°e/weḡešk° to crush, crumple, rumple.
- *ḡešḡe -- .../ḡežḡ smithereens.
- *ḡeye -- B ḡeye/ḡey to stick out, be visible.
- *ḡena -- T ḡena S ḡena/ḡena small kerchief used by old women.
- *weḡap(a) -- T ya-weḡape/... to mould, flatten; to make stg. carelessly (cf. *Pḡ°ač°(a)), T fa-weḡapa/... to take trouble for fa- sb., T ḡa-weḡapa-n/ḡa-weḡarapa-n to blink one's eyes.
- *Pḡ°aPla -- B ḡ°ābla/... mat made of rushes.
- *ḡastḡa -- B ḡāstḡa S ḡāstḡa/ḡāsta "pasta" (Gr. παστιη barley porridge).
- *ḡarta -- T ḡarta/... to burst, crack (e.g. as fruit), itr. Cf. ḡet(a).
- *ḡaša -- B ḡaša S ḡaša/ḡaša large, big, T also ancestor, S also grownup.
- *Pḡ°ač°(a) -- B ḡ°āč°a/ḡaša flattened, thin (also of fluids), K weḡaš to flatten.
- *Pḡ°ač°a -- B ḡ°āč°a/ḡaša to stir, K also to hurry.
- *Pḡ°ala -- B ḡāla S ḡ°āla/ḡāla time, term, K also habit.
- *Pḡ°a(n)ke -- B ḡ°a(n)č°e/ḡank to puff, crackle, K also flying spark, flock, tuft.
- *ḡašk°(a) -- B ḡāšk°a, ya-ḡāšk°e/ḡāšk°a, ya-ḡāšk° to pinch.
- *weḡaḡ°e -- B weḡaḡ°e/... to pluck (a bird).

- *pāSTĭ(a) -- B pāstĭa, ya-pāstĭe/pāstĭa, ya-pāstĭ to scratch. Cf. *Tĭ(a) to tear.
 *Pq°ane -- T p°ane/... scale of fish.

- | | | | |
|-------------|--|-----------|--|
| *dēpē T | <u>to vanish</u> | *č'apa | <u>calf of leg/shin (w. la-)</u> |
| *tāPq°e | <u>to rip open</u> | *laPq°a | <u>dear, expensive</u> |
| *lēmpe K | <u>to be pressed, squeezed</u> | *lēpa T | <u>to be fried, grilled slightly</u> |
| *Sk°ēmpē | <u>rotten (egg)</u> | *qhapa K | <u>scale of fish</u> |
| *wēpapa | <u>to blink (eyes), T also to mould, flatten</u> | *qha(m)pa | <u>dandruff, K also husk of grain</u> |
| *tēpa T | <u>to crack (of corn flakes), itr.</u> | *qa(m)pa | <u>thing, goods, wares/bag, pouch; equipment; trifle</u> |
| *čap(a) | <u>(to make) dirty</u> | *q°e(m)pa | <u>bridle, reins</u> |
| *sa(m)pa | <u>sheath (for knife or dagger)</u> | *wēpa | <u>to slaughter/to skin</u> |
| *Psa(m)Pq°a | <u>collar</u> | *napa | <u>eyelid</u> |
| *s°ampa T | <u>husk, skin, peel</u> | | |
| *č(a)Pq°a | <u>land, terrain, district, parcel</u> | | |

5. ^h

- *t^he -- B t^he/te to stand (only w. local prefixes).
 *t^h(a) -- B t^h(a)/t(a) to give, (in)tr.
 *t^herk^h°e -- .../terk° fatty or fleshy tumor-like growth in animal organism.
 *t^haš°a -- .../tāfa glade, field of grass (for *s° not *č^h° cf. *č°eš°a).
 *t^hage -- B t^haž°e/tag to stand up, rise.
 *t^hax°e -- .../tax° white.
 *t^haq:°(a) -- T tāq°(a)/tāq°a to strew, pour dry substances (with local preff. ye-, xa- into, T out of, a container, resp. mass); T ġa-taq°a-n also to husk.

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|-------------------------|-------------------------------------|------------------------|--|
| *č'athē | <u>saucer, podstavka</u> | *č'etha B | <u>to emit sparks</u> |
| *k ^h enthē K | <u>(ethnic name in Nart epos)</u> | *Psetha B | <u>to swell, suffer from dropsy</u> |
| *k ^h athē | <u>sheep-shed</u> | *wēPzetha K | <u>to cut, shred</u> |
| *q ^h athē | <u>to take up, lift up</u> | *č ^h 'athā | <u>film on milk / cream</u> |
| *q°athē | <u>to knead, rub (esp. leather)</u> | *č'etha | <u>to soak, itr.</u> |
| *g°athē | <u>to find</u> | *wēPč'athā | <u>to cut (e.g. meat)</u> |
| *nārt ^h e | <u>Nart</u> | *š ^h 'athā | <u>to sigh</u> |
| *p ^h athā B | <u>to be damaged, worn out</u> | *š ^h athā B | <u>to try out, check</u> |
| *webathā B | <u>to break (as plate), tr.</u> | *Pš:athā | <u>tanning solution</u> |
| *det ^h a | <u>to quilt</u> | *λetha | <u>to consider</u> |
| *tathā | <u>to come loose, be unfastened</u> | *λath(a) | <u>to bounce/to fly, jump up, fall out, etc.</u> |

*lat ^h a	<u>rennet (used to curdle milk)</u>	*q:°eth ^a	<u>to smash, break up, chop</u>
*k:at ^h a	<u>sword</u>	*q:°ert ^h e	<u>brood(-hen)</u>
*ket ^h a	<u>malt</u>	*q°ath ^a	<u>to tell, report/to announce, make known</u>
*weket ^h a	<u>shame</u>	*x°ath ^a B	<u>ravine, gully</u>
*k:°art ^h (a)	<u>a certain (solid) number/ (large) herd</u>	*P ^x °ath ^h (a)	<u>to grasp, seize, tr.</u>
*k°eth ^h (a)	<u>to pour (in, out)</u>	*P ^x °ant ^h a	<u>trunk, chest</u>
*k°ath ^h (a)	<u>to move along</u>	*(P)g°a(n)t ^h a	<u>to grow mouldy</u>
*x°eth ^a	<u>to forge</u>	*š ⁿ ant ^h a	<u>pillow, cushion</u>
*x°eth ^a K	<u>to explore, discover, make clear</u>	*yath ^a	<u>to rage (storm)/become insolent</u>
*x°a(r)t ^h a K	<u>diaper (-r-), scarf (-)</u>	*wet ^h a	<u>to trample, to knead clay with the feet</u>
*qath ^a	<u>haystack</u>	*math ^a	<u>basket, beehive</u>
*xath ^a	<u>(nothing) special/(not) a bit</u>		

6. St^h

*paSt ^h a	<u>"pasta"</u>	*maSt ^h a	<u>needle</u>
*lanSt ^h a	<u>scissors</u>		

7. S't^h

*S't ^h a	-- B š't ^h a/šta <u>to be frightened.</u>
*S't ^h aPxa	-- T š'tāpxa/... <u>cowardly.</u>

8. St^h

*St ^h a	-- B št ^h a/šta <u>to take, tr. (B t^hya-št^ha-n to take after sb.).</u>
*St ^h a	-- B št ^h a/šta <u>flint</u> (B also št ^h a°°eč'a, T štaweč'e).

9. t:

*t:(a)	-- B t:°e, yāt:a/hada <u>father</u> , B t:āt:a/dāda <u>daddy/grandpa</u> (address).
*t:a	-- B t:a/da <u>we.</u>
*wet:esa	-- B wet:esa/... <u>dust penetrates</u> , B g ^a -wet:esa <u>to make dust, pulverize.</u>
*t:ēš:°e	-- B t:ēš:°e/deš <u>relatives of wife.</u>
*t:ēq:°e	-- T pša-teqe/pša-deq <u>back of neck, occiput</u> (pša <u>neck</u>).
*t:ēga	-- B t:ēga/dēga <u>sun.</u>
*t:erq:°a	-- T terq°a/derq°a <u>scar.</u>
*t:ēg°(a)	-- B t:ēg°(a)/dēg°(a) <u>to steal, (in)tr.</u> , T tēg°e/dēg° <u>theft/thief.</u>
*t:ewe	-- Š t:ewe/dēw <u>grain storehouse.</u>
*t:az(a)	-- T tāza/-dāza <u>crooked</u> , T we-taze-n <u>to bend down, tr.</u>
*wet:aš°a	-- B wet:aš°a/wedāfa <u>to misbehave, make mischief, act violently, T also to get drunk.</u>

- *t:ala -- T tāla/dāla to splash/to threaten, T ga-tala-n/ga-dāla to rattle (the sabre)/to wave threateningly, shake (fist), rattle (the sabre).
- *t:aq:a -- B t:āq:a/dāqā stump/handle, thick end of pole, T also deadfall; K daqā-q stump. Cf. *daq:a.
- *t:aya -- B t:āya/... (package of) neatly arranged things (as needles, wood). K tāy layer, if related, must be a borrowing (ā irregular).
- *t:ama -- B t:āma/dāma wing.

- | | | | |
|-----------------------|------------------------------|----------------------|--|
| *bet:e | B <u>hunchbacked</u> | *s ^o at:a | <u>a corn-beverage</u> |
| *webet:e | <u>to catch, grab</u> | *xat:a | <u>kitchen-garden</u> |
| *s ^o ant:e | <u>wineskin</u> | *hat:a | <u>father</u> |
| *z ^o at:e | B <u>to make merry</u> | *wet:(a) | <u>to pound, thresh (sunflower seeds, maize), beat (egg)</u> |
| *k:at:e | <u>chicken</u> | *wet:(a) | <u>to sow by hand</u> |
| *x ^o at:e | B <u>blizzard</u> | *wat:a | <u>hammer</u> |
| *nat:e | <u>goatskin sack</u> | *ma(r)t:a | <u>quantity, measure</u> |
| *p:et:a | <u>strong, solid; stingy</u> | | |

10. St:

- *St:(a) -- B st:e/śa-ḡa-st to burn, itr./to fan or add fuel to fire (śa-under), B st:a to burn (as lamp), itr. Cf. *se.
- *St:ere -- T stere/... hot, bitter, sharp (taste). Cf. *sere.
- *St:ax^oa -- T stāfa/... ashes. Cf. *sax^oa.

11. S't:

- *S't:e -- B š't:e/šte to freeze (of liquid).

12. S^ot:

- *S^ot:e -- B s^ot:e/fte genitals (male and female).
- *S^ot:e -- S ye-s^ote/Be ye-fte to hurl oneself into ye-.
- *S^ot:ere -- T ya-s^otere/... to kick.

- *caš^ot:(a) to slide, slippery/to move rapidly
- *x^oes^ot:e T to fly off (as wheel from axle)

13. d

- *d(a) -- B d(a)/d(a) to sew, (in)tr.
- *d(a) -- B xa-d(a)/xa-d(a) to choose, pick out, (in)tr. (xa- group, mass).
- *da -- B da/da nut.

- *da -- B da/da to agree, consent to stg. (object).
- *demp̃e -- T dem̃p̃e/... to vanish.
- *det^ha -- T deta/deta to quilt.
- *dēde -- B dēde/dēd awl.
- *dēde -- T ġa-dēde/... to carry stg. away quickly; to spread quickly (rumor).
- *dēse -- T dēse/... steep; stinging, sarcastic.
- *dēPze -- S dēbze/... veranda.
- *dēṣa -- B dēṣa/dēṣa gold.
- *dēge -- B dēṣ^ʰe/dēg bitter, sour, sharp-tasting.
- *dēq:ē -- B dēq:ē/dēq̃ to stiffen, grow numb, freeze. Cf. *dēye and *q:ē.
- *dērgē -- T ya-dērgē/... to abuse, address caustically (T dērg̃ is an onomatopoeia for the grunting of pigs).
- *dēwa -- B dēwa/pse-dēwa leech (pse water).
- *dēye -- B dēye/dēye-ž to cool off, congeal, grow numb (K -ž again, as previously). Cf. *dēq:ē.
- *d(a)da -- B dāda/dēda very, just, exactly.
- *daxa -- B dāxa/dāxa beautiful.
- *dag^oa -- S dāg^oa/... short-eared.
- *dag^oe -- B dag^oe/dag^o deaf.
- *daq:a -- B dāq:a/dāq̃a hind end, esp. last pair of animals put before cart, T la-dāqa/la-dāq̃a heel, K pṣa-dāq̃a back of neck. Cf. *t:aq:a.
- *dapq:ē -- B dapq:ē/... wall.
- *daḡa -- B dāḡa/dāḡa lard, fat.
- *daḡ^o(a) -- B dāḡ^oa, ya-daḡ^oe/dāḡ^oa, ya-daḡ^o to listen, obey.
- *daḡ^oe -- T daḡ^oe/... to make a wrong choice.
- *daḡ^o(a) -- B daḡ^oe/dāḡ^oa good.
- *daḡ^oa -- B dāḡ^oa/dāḡ^oa defect, shortcoming.
- *daye -- B daye/... bad.
- *dawa -- B dāwa/dāwa to quarrel, have a lawsuit (Tu. dāvā).
- *dana -- B dāna/dāna silk (as woven material).

- | | | | |
|--------------------------|---|---------------------|----------------------------|
| *dēde | <u>awl</u> | *g ^o ede | <u>vulva</u> |
| *dēde | T <u>to be carried away quickly, spread quickly (rumor)</u> | *q:ade | B <u>stubborn</u> |
| *weza(n)dē | <u>to load (a gun)</u> | *wede | <u>witch</u> |
| *ḡ:ende | <u>rook</u> | *wade | <u>thin (of person)</u> |
| *č ^h ede | <u>donkey</u> | *nade | T <u>fine (of mesh)</u> |
| *le(n)dē | <u>to shine, glitter</u> | *d(a)da | <u>very, just, exactly</u> |
| *lande | T <u>pike (zool.)</u> | *za(n)da | <u>steep</u> |
| *k ^h o(a)n)dē | <u>much</u> | *če(n)da | <u>peanut</u> |
| | | *lada | <u>to run, rush</u> |

*Txeda	<u>story, tale; instructive/ history</u>	*weSxenda T	<u>to let oneself go, become shabby</u>
*Sxeda	<u>to chide</u>	*q'eda	<u>flounce, frill, fringe/lace</u>
*k ^h eda	<u>to cork, fill up, cram</u>	*g'e(n)d(a)	<u>gadfly</u>
*k ^h eda B	<u>petroleum, oil; axle-grease?</u>	*hada	<u>corpse</u>
*k ^h anda B	<u>bush, shrub</u>	*shanda B	<u>bush, shrub</u>
*k'ad(a)	<u>to disappear, lose oneself, get lost, perish</u>	*hada T	<u>tumor, swelling</u>
*qada	<u>pincers, tongs</u>	*warda	<u>high-born, K also solid, strong</u>
		*nada	<u>empty, without kernel (as seed, nut)</u>

14. t, Tq'

(The two possibilities are ordered alphabetically. All cases of *Tq' involve the morpheme two).

*te	-- B te/te <u>ram</u> .
*t(a)	-- B t(a)/t(a) <u>to dig, (in)tr.</u>
*ta	-- S ta/ye-ta <u>to seat/to put straight up, tr. (ye- in).</u>
*tepa	-- T tepa/... <u>to crack (of corn flakes), itr.</u>
*tese	-- B tese/tes <u>to sit down.</u>
*terza	-- T terza/... <u>to sport, gambol (of horse).</u> Cf. *lara.
*tele	-- B tele/teλ <u>to lie down.</u>
*terg°(a)	-- B terg°a/ya-terg° <u>to butt, fillip, bump, jog</u> (K also ya-terq, ya-perq).
*te(r)g°a	-- B te(r)g°a/teg°a <u>to soften, ripen, T also to curl.</u>
*teya	-- T teya/day <u>to stick up, stand on end, be bent upward (as moustache).</u> Cf. *ta.
*tatha	-- B tatha/tata <u>to come loose, be unfastened.</u>
*tat(a)	-- B tata/tata <u>to get soft, thaw, become unstable, T also to drip, T š'e-tate to run over, overflow (š'e- location).</u>
*tasa	-- .../tasa <u>dear (address).</u>
*tasa	-- .../xa-tasa <u>to be neglected, allowed to develop unchecked (xamass).</u>
*tač'e	-- B tač'e/taš <u>to undress, tr., T also to rob.</u> Cf. *tağa.
*tak°e	-- B tak°e/tak° <u>a little, few.</u>
*tak°e	-- S tak°e/... <u>place.</u>
*taSxa	-- T tasxa/tasxa <u>to become weak/shaky, unstable, vulnerable spot, Be secret (cf. K tasxa-šax scout, spy).</u> (še- location)
*tağa	-- .../še-tağa <u>to put on as dress, dress sb. with, tr.</u> Cf. *tač'e.
*taPq°e	-- B ga-tape S ga-tapq°e/taP <u>to rip open.</u>
*tax°(a)	-- B tax°a, ya-tax°e/tax°a, ya-tax° <u>to scratch, (in)tr.</u>
*taye	-- S taye/... <u>damp.</u>
*tawe	-- T ya-tawe/... <u>to bump (one's head).</u>
*lara	-- T lara-n/... <u>to sport, gambol (of horse).</u> Cf. *terza.

- *Tq°(a) -- B t°(a)/t(a)w, -t(a) two (twice) (K -ta only in mežameta more than once, repeatedly, lit. not-once-not-twice.
- *Tq°epš:°e -- B t°epš:°e/wešepš to be released/to release, set free.
- *Tq°aza -- T t°āza/... twins (za-t°āza they are twins (to e.o. za-)).
- *Tq°ač°e -- T t°ač°e/tawš twenty.
- *Tq°ač°a -- T t°ač°a 3M t°āča/... valley between mountains.
- *Tq°ala -- T t°āla/tewāla a measure (breadth of two fingers).
- *Tq°a(r)q:°a -- T tārqa/tāq°a fork, bifurcation/dual, in two (dissimilative loss of labialization in T).
- *Tq°ana -- T t°āna/tewāna one wife in relation to other (in polygyny).

- | | | | |
|----------|---|-------------|------------------------------------|
| *čete | <u>ditch</u> | *žanta | <u>place of honor</u> |
| *wenate | K <u>to direct, level at</u> | *lanta | <u>elastic, supple</u> |
| *bartā | T <u>fresh, fluffy (butter)</u> | *kant(a) | <u>small last remains</u> |
| *pet(a) | <u>to crush, press, jam, pinch</u> | *Pgē(n)ta | <u>ungirded</u> |
| *partā | T <u>to burst, crack</u> | *q°a(r/n)ta | <u>to bend, distort/turn, wind</u> |
| *tat(a) | <u>to get soft, thaw, drip, become unstable, overflow</u> | *Sx°ant(a) | <u>(electric) blue</u> |
| *Psenta | T <u>watery, thin (e.g. pasta)</u> | *g°ata | K <u>dark red (prob. of hair)</u> |
| *čh°eta | <u>to massage, T also squeeze, squash</u> | *šhata | T <u>forehead</u> |
| *Pč°anta | <u>to sweat</u> | *yata | <u>clay, earth, K also mud</u> |
| | | *nata | <u>forehead</u> |

15. ch

- *ch(a) -- B ch°e/cē hair, wool, -cha/-ca suff. hairy.
- *chapha -- B chaph°a/cēpa end, tip (of string, sword, etc.)/(single) hair.
- *chēpza -- B chēbza/... autumn-wool.
- *cherxē -- .../ya-cērḡ to touch.
- *chēya -- B chēya/cay "cherkeska" (Caucasian national garment).

- | | | | |
|-------------|--------------------------------|-----------|-------------------------------|
| *lēch°e | K <u>moss</u> | *g°erc°ha | B <u>brushwood, shrubbery</u> |
| *šhach°e | <u>head-hair</u> | *hanch°a | <u>wooden spade</u> |
| *q:°a(n)cha | <u>branch w. twigs/branchy</u> | | |

16. c:

- *c:a -- B c:a/3a tooth, edge of blade.
- *c:a -- B c:a/3a grain, pellet of grain, grain (of sand, etc.).
- *c:a -- B -c:a/3a spoke of wheel (cf. B c:āga K 3āža rib).
- *c:exa -- B c:exa/3exa frail, weak, without stamina or self-possession, T also hot-tempered; T qa-cēxa-n/qa-3exa to flinch, T also to flare up.
- *c:eg°a -- B c:eg°a/3eg°a mouse.

- *c:əñ(a) -- B c:āñe T cəña/ʒəñ, ʒəña faith, confidence.
 *c:alə See *l:c:alə.
 *c:aka -- B c:āč'a/ʒāka edge.
 *c:ak:°a -- B c:āk:°a/ʒāg°a blunt, dull.
 *c:ax°e -- T cafe/ʒax° tin.
 *c:aq:a -- B ya-c:āq:a/ya-ʒāqā to bite.
 *c:aḡa -- T cāḡa/ʒāḡa with teeth spaced wide apart (person, fork).
 *c:aḡ°e -- T ya-caḡ°e/ya-ʒaḡ° to gnaw.
 *c:aye -- T caye/ʒay mate, partner (esp. in tilling of land).

- | | | | |
|----------|--------------|----------|--------------------------------------|
| *k:°ac:ə | <u>wheat</u> | *k:°ec:a | <u>spoke of wheel</u> |
| *wec:ə | <u>grass</u> | *ḡac:a | K <u>grain (of corn, sand, etc.)</u> |

17. Pc:

- *Pc:(a) -- B pc:(a)/bʒ(a) to chisel, (in)tr., B pc:e/bʒe chisel.
 *Pc:a -- T pe-pca/... to affix, nail stg. to the end pe- of stg., tr.,
 T tya-pca patch.
 *Pc:a -- B pc:a/bʒa fish/large fish, K bʒa-ʒay fish (-ʒay small).
 *Pc:aḡ°ca -- B pc:āḡ°a/bʒāmca Be ʒāfca lead (metal) (T pčāḡ°a with metathesis of glottalization).
 *(P)c:ale -- B pc:yale ʒ pc:aley/ʒal willow.
 *Pc:a(n)Tḡa -- B pc:āḡa/bʒā(n)tḡa joiner's glue.

- | | | |
|-----------|-------------------------------------|------------------------|
| *kaPc:(a) | <u>thigh of animal, leg of bird</u> | (as dough) |
| *ḡ°aPc:a | T <u>to harden, form a crust</u> | *naPc:a <u>eyebrow</u> |

18. ʒ

- *ʒ(a) -- B ʒ(a)/ʒ(a) to throw out of (resp. into), tr.
 *ʒa -- B ʒa/ʒa army, B ʒāk°a/ʒāk°a campaign (k°a to go).
 *ʒeya -- T zə-š'ə-ʒeya-n/zə-ʒə-ʒay to stand apart, avoid stg. (zə- one-self, š'ə-/ʒə- there).
 *ʒewa -- T ʒewa/... sack.

- | | | | |
|-------------|--------------------------|----------|-----------------------------------|
| *beʒe | <u>woman's breast</u> | *baʒa | <u>fly (zool.)</u> |
| *weTxe(n)ʒe | T <u>to sift</u> | *Pseʒa | <u>flood, inundation</u> |
| *Pḡaʒe | T <u>lot, fate</u> | *č'aʒa | <u>lining, saddle cloth, etc.</u> |
| *ḡ°aʒe | T <u>to answer (pe-)</u> | *Pḡeʒa | <u>flea</u> |
| | | *Pḡ°eʒa, | -za <u>narrow, tight</u> |

19. ċ

- *ċ(a) -- B ċə/ċə to defecate, itr., K -ċa id. (in compounds).
 *ċa -- B ċa/ċa louse.
 *ċa -- B ċa Š ša/ċa name.
 *ċert^ha -- B ċert^ha/... to emit sparks.
 *ċeċe -- T ċeċe/... to crumple, itr. and tr.
 *ċepza -- T ċebza/... to swell.
 *ċež^oe -- B ċež^oe/ċev bug, beetle, T a kind of fly.
 *ċež^o(a) -- B ze-ġa-ċež^oe-n/ċev, ċeva to make off (ze- oneself)/to whirl, fly.
 *ċePl(a) -- .../ċePl scarlet, ċepla brown (of horses). Cf. *ċaPlə.
 *ċek^he -- T pxa-n-ċeċ^he/pxa-ċek castanets (pxa wood).
 *ċek^oe -- B ċek^oe/ċek^o small, little.
 *ċex^oe -- B ċefe/ċex^o human being, person.
 *ċex^oe -- B ċefe/ċex^o to know, be acquainted with.
 *ċerxe -- B ċerxe/ċerx thin (of vegetation), transparent (of fabrics), K weċerx to make stg. carelessly, throw together.
 *ċešxa -- T ċešxa/... to glitter, sparkle.
 *ċerge -- Š ċerge/... snail.
 *ċewe -- B ċewe/ċew to shine, glitter, K also to squeak, cheep.
 *ċen(a) -- B ċena Š šena/ċena moist, unripe, uncooked, K also pus; K we-
 ċen to become moist.
 *ċap(a) -- B ċāpa/ċāpa dirty, K we-ċap to make dirty.
 *ċaš^ot:(a) -- B ċāš^ot:a/xa-ċaft, -ċafta slippery, to slide/to move quickly out of (resp. into) stg. (xa- mass, group).
 *ċaċa -- T ċāċa/ya-ċāċa to curse, bawl out.
 *ċa(n)la -- B ċāla/ċānla to slip, slide, T also to creep, crawl.
 *ċaPlə -- T ċaple/... red-haired. Cf. *ċePl(a).
 *ċala -- B ċāla/ċāla to smear, tr.
 *ċaka -- B ċāċ^ha/ċāka nit.
 *ċax^oa -- .../ċāx^oa cobra.
 *ċanT^hx^oa -- B ċānt^hx^oa/ċānt^hx^oa to scrape/to slide.
 *ċağ^oe -- T ċağ^oe/... weak, frail.

*ċeċe	T	<u>to crumple</u>	*š ^o eċ(a)	<u>black</u>
*k ^h (a)ċe		<u>kid, young goat</u>	*le(n)ċ(a)	<u>to scorch</u>
*kaċe		<u>to lay eggs</u>	*Txeċa	<u>backbone, spine</u>
*k ^h oċe		<u>marrow</u>	*Pxaċa	T <u>bedbug</u>
*k ^o aċe		<u>innards, inside, interior</u>	*maċa	<u>locust</u>
*yanċe	K	<u>long pole, lever</u>	*naċ(a)	<u>to wish, desire, hanker for</u>
*ċaċa		<u>to curse, bawl out</u>		

20. Pč, Šč

(The two possibilities are ordered alphabetically. *Šč occurs only in non-final segments. Evidence for *Šč is either Š šč, or B T šč besides K pč (in one case K mc Be fč). See Introduction p. 5-7).

- *Pč(a) -- B pče Š pše/pče lie, falsehood, T gā-pča/gā-pča to deceive.
- *Pč(a) -- T mež^oa-we-pča/meva-we-pča whetstone (*mež^oa stone), T we-pa-pče/we-pa-pč to sharpen (a pointed object) (pa- nose, point).
- *Pča -- B pča/pča to ferment, curdle, turn sour (of milk), coagulate (of blood).
- *Pča -- B pča/pča to be fulled, felted (cf wool), get tangled (of hair).
- *Pča -- B -pča/-pča quite, completely, entire, massive (K ye-zaq^oapča quite alone, weže-pča thick grass); bare in *laPča, *šhaPča, *Pčana.
- *PčePče -- .../pčepč liar.
- *Pčey(a?) -- T pčey/... ore (vocalic nature of 2nd segment unknown).
- *Pčašx^oa -- B pčašx^oa Š psāšx^oa/pčašx^oa swallow (zool.).
- *Pčawe -- B pčawe Š psawe/... to yelp. Cf. Pč'awe.
- *Pčan(a) -- B pčana Š psāna/pčana bare, naked, K we-pčan to undress.

*Š'xePče T	<u>to smile</u>	*čaPča T	<u>dark, dark grey, dark blue</u>
*xPče K	<u>cartilage</u>	*laPča K	<u>clot of blood</u>
*x ^o ePče B	<u>to itch</u>	*laPča	<u>barefoot</u>
*wePče K	<u>to splash, splatter</u>	*lePča	<u>flesh</u>
*naPče	<u>false, deceptive</u>	*kaPča	<u>lower abdomen/stomach</u>
*p ^h a(m)Pč(a)	<u>sharp point, sharp</u>	*q ^o aPča	<u>swarthy, K also lean</u>
*PsePča	<u>bog, swamp</u>	*šhaPča T Š	<u>bare-headed</u>
*čPča	<u>chernozem</u>	*nePča Š	<u>intestines</u>

(Addenda see p. 93)

21. s

- *se -- B se/se to sit (only w. local prefixes).
- *se -- .../se to burn, tr. and itr. Cf. *St:e.
- *se -- B ya-se/ya-s to swim, K xa-se-k to swim out of -k a mass xa-, etc.
- *se -- B q:a-se/q'a-s to arrive (here), na-se/na-s to reach (a place) (*q:a- hither, *na- thither).
- *s(a) -- B wa-se/wa-s snow, T tya-sa (snow) covers stg. (tya- on).
To *se sit?
- *sa -- B sa/sa I (1st pers. sing.)
- *sa -- B sa/sa knife.
- *sa -- B xā-sa/sa to sow (xa- in a mass), T in compounds also put, stick in, e.g., g^oa-sa-n stick in besides g^oa-.
- *sa -- B ya-sa/ya-sa to accustom oneself to stg., K sa adaptable.
- *sese -- B sese/ses to sway, shake, tremble.

- *səge -- B səʒ'ə/səg hump, crest (of bird), anvil, T xə-səʒ' crest of wave (xə sea).
- *səxa -- Š sʰəpa/səxa crystalline snow/sugar-crystals (as in ripe melon).
- *səTʰə -- .../səTʰə hoar-frost.
- *sən(a) -- B sənə T sənə/sən (stone) idol, statue.
- *ser(a) -- .../ser bitter (taste), sera beer. Cf. *St:ərə.
- *sera -- T sera/sera drawer (e.g. in cupboard).
- *sap:a -- B s̄ap:a/s̄aba dust.
- *sa(m)pa -- T s̄apa/s̄ampa sheath (for knife or dagger).
- *saʰe -- T saʰ'e/saʰ to castrate.
- *saxe -- B saxe/sax bar, gate.
- *sa(n)Txə -- T satxə/sa(n)tx stony height/height (geogr.). Cf. *Txə.
- *sax^oe -- .../sax^o (quick)lime.
- *sax^oa -- .../s̄ax^oa ashes. Cf. *St:ax^oa.
- *saq:e -- B s̄aq:e/s̄aḳ (to be) careful. (Balk., Kar. saq id.).
- *saḡa -- T s̄aḡa/s̄aḡa bee-bread/larvae and pupae of bees.
- *saʰ^oe -- T ḡa-saʰ^oe-ʒ'a-n/saʰ^o to spoil/to be spoiled (of child).
- *saye -- T saye/say to be filled up (as ditch).
- *wesay(a) -- T ya-wesaye/... to lean stg. against stg., T g^o-ya-wesāya id. besides g^o(a)- stg.
- *s(a)ma (?) -- B sēmāʒ'a/sēmāḡa ill, sick, B samag^oe/samag^o left (side), cf. resp. *ga bad, *g^oa- prefix besides.
- *sama -- B s̄ama/s̄ama heap.
- *sana -- B s̄ana/s̄ana grape, K also currant and antiquated honey, mead.

- | | | | |
|---------------------|---|------------------------|---|
| *phase | <u>to be worthy of stg.</u> | *tasa | K <u>dear (address)</u> |
| *pese | <u>futuere</u> | *tasa | K <u>to be neglected, allowed to develop unchecked</u> |
| *tese | <u>to sit down</u> | *Psesa | K <u>fairy-tale</u> |
| *dese | T <u>steep; stinging, sarcastic</u> | *č'asa | <u>beloved, lover</u> |
| *sese | <u>to sway, shake, tremble</u> | *las(a) | <u>to wash, rinse, card (flax)</u> |
| *čhase | <u>to mount a horse</u> | *khesa | <u>pouch</u> |
| *čhase | <u>surety, pledge</u> | *kesa | T <u>to sprout, shoot (of plant)</u> |
| *lase | <u>on foot, unmounted</u> | *kasa | <u>late</u> |
| *lese | B <u>cotton plug (in wound)</u> | *xasa | <u>conference, council, T also to discuss, consider</u> |
| *kase | <u>prisoner of war</u> | *k ^h o(r)sa | <u>stripe</u> |
| *qase | <u>to reach, get to (lə-)</u> | *k ^h oasa | See *k ^h oapSa |
| *q ^o ese | <u>food, feed</u> | *g ^o esa | <u>to take offence</u> |
| *yase | <u>manly/tall and well-built</u> | *qasa | <u>tame, quiet</u> |
| *wese | <u>to compose (song), write (story)</u> | *ḡasa | <u>mowed harvest</u> |
| *wase | <u>snow</u> | *q ^o esa | <u>to touch</u> |
| *phasa | <u>early, long ago</u> | *ḡ ^o esa | <u>companion, fellow-traveler</u> |
| *wet:esa B | <u>to be dusty, pulverized</u> | | |

*pǵ°es(a)	T <u>sheepskin blanket</u> , S also <u>felt foundation in cradle</u>	*mes(a)	<u>guilty, culprit</u> , T also <u>foreign</u> , K also <u>dishonest, uneducable</u>
*hāsa	<u>bed (in garden), plot</u>		
*wasa	<u>price</u>	*nesa	<u>(father's) brother's wife, daughter-in-law</u>

22. Ps

*Pse	-- B pse/pse <u>water, river</u> .
*Pse	-- B -pse/pse <u>string, cord, lace, strap; handle</u> ; for W. Circ. cf. *laPse, q°aPse, etc. Cf. also *kaPsa.
*Pse	-- B ġa-pse/ġa-ps <u>to arrange, bring in order, build, tune, train</u> .
*Pse	-- T ya-pse-xe/ya-pse-x <u>to dismount</u> (ya-...-xe <u>downward</u>).
*Ps(a)	-- B q:-ya-pse/q°-ay-ps <u>to shine (as sun, fire), itr.</u> (*q:(a)- <u>hither</u>), T tya-psa/tay-psa <u>to illuminate, itr.</u> (*t°ya- <u>on</u>).
*Ps(a)	-- B pse/q°-ay-ps <u>to sneeze</u> (q°- <u>hither</u>), T tya-psa/... <u>to sneeze</u> (<u>after a pronouncement</u>) (tya- <u>on</u>).
*Psa	-- B psa/psa <u>life, soul</u> .
*Psetha	-- B psetha/... <u>to swell, suffer from dropsy</u> .
*Psenta	-- T psenta/... <u>watery, thin</u> (e.g. of "pasta").
*Pseža	-- T pseža/pseža <u>flood, inundation</u> .
*Psepča	-- B psepča/psepča <u>bog, swamp, quagmire</u> .
*Psesa	-- .../psesa <u>fairy-tale</u> . Cf. *čhePsa.
*Psepse	-- T psepse/... <u>gauze, cheesecloth</u> .
*Pse(n)že	-- B pseže T psenže/psež <u>mud, mire</u> .
*Pseš°(a)	-- B pseš°a/psaf <u>moisture</u> , K also <u>wet, to wet</u> .
*Psež°a	-- T psež°a/pseva <u>boiling water</u> .
*Psenč°a	-- B psenč°a/psenša <u>light, swift</u> .
*Psela	-- B psela/psela <u>flask</u> , K also <u>marshy terrain</u> .
*Psex(a)	-- T ya-psexē/ya-psex <u>to dismount</u> , T da-psexa/... <u>id. in an enclosure</u> da-. S has ya-pskaxe.
*Psexa	-- T psexa/... <u>lower reaches of river</u> . Opposite T K psešña <u>upper id.</u>
*Pseg°e	-- S pseg°e/... <u>island</u> .
*Pseqa	-- T pse°a-psebla/pse°a <u>wet/wetness, moisture</u> .
*Pseq°e	-- T pse°e/pse°o <u>riverbank</u> .
*Pseχ°a	-- B pseχ°a/pseχ°a <u>river(bed), channel</u> .
*Pseğ°a	-- B pseğ°a/pseğ°a <u>thin (of cylindrical objects)</u> .
*Pseñ(a)	-- T ya-pseña/pseñ <u>to temper (metals)</u> .
*Psenā	-- B psena/psena <u>well/spring</u> .
*Psapha	-- B psāp°a/psāpa <u>good deed/blessing</u> .
*wePsaPsa	-- T wepsapsa-n/wepsāpsa <u>to become damp</u> (K also wesāpsa).
*Psaš°e	-- B psaš°e/psaf <u>pregnant (of animal)</u> .
*Psāla	-- B psāla/psāla <u>word, speech, utterance</u> .
*Psax°e	-- B ze-ġa-psafe/psax° <u>to rest</u> (ze- <u>oneself</u>).

- *Psaḡa -- T psāḡa/... target (in shooting).
 *Psaṭṭha -- .../psāṭṭha (a heathen god).
 *Psaṃ -- B psaye/psay black maple/spruce, fir.
 *Psaṃ -- B psawe/psaw to live, K also healthy (B psāwe), whole, all (B pst:awe).
 *Psawa -- T ya-psawa-n/... to take aim at stg.

- | | | | |
|-----------|---|-------------|--|
| *PsePse T | <u>gauze, cheesecloth</u> | *ṢhaPse K | <u>light-headed, giddy</u> |
| *č'h'ePse | <u>a type of sauce</u> | *haPse T | <u>wooden bowl</u> |
| *laPse | <u>leather shoestrap, shoelace</u> | *naPse | <u>tear(s)</u> |
| *laPse | <u>bouillon, broth</u> | *wePsaPsa | <u>to become damp</u> |
| *P'laPse | <u>shoulder-strap</u> | *č'h'ePsa | <u>fairy-tale</u> |
| *kaPse | <u>croup of horse</u> | *laPsa | <u>root, foundation/homeland</u> |
| *S'xaPse | <u>glue, starch</u> | *kaPsa | <u>string, rope</u> |
| *Tk'aPse | <u>drop (of water)</u> | *k'h'ePsa | <u>center, pivot</u> |
| *x'ePse K | <u>larva, grub</u> | *k'h'a(P)sa | <u>beardless</u> |
| *P'xaPse | <u>plane (tool)</u> | *g'ePsa | <u>beloved; kind, good/cordial</u> |
| *q:'aPse | <u>handle, haft, ear (of vessel)/rhizome</u> | *x'aPs(a) | <u>to desire, be keen on, envy</u> |
| *q'ePse | <u>spittle</u> | *wePsa | <u>to plane, shave (also the face)</u> |
| *g'aPse T | <u>ichor, pus</u> | | |
| *haPse | <u>pit for keeping prisoners</u> | | |
| *ṢhaPse | <u>string to tie up top part of stg. (sack, trousers)</u> | | |

23. z

- *ze -- B ze/ze to decant, filter, tr.
 *ze -- B ze/ze full (only w. local prefixes).
 *ze -- T ze/ze to (come loose and) fall or fly off, out, etc. (only w. local prefixes).
 *z(a) -- B z(a)/z(a) one (once).
 *za -- B za/za cornel fruit.
 *za -- B ḡa-za/ḡa-za to make turn, spin, tr., cf. also *x'arza, *Ṣha-za, etc.
 *za -- B fā-za/x'a-za to meet sb. (*x'a- for, to); possibly identical w. preceding (turn toward?).
 *za -- B za-/za- self; each other, cf. *zaṢṣ, *zaPq:(a), etc.
 *zeyā -- T da-ḡa-zēya/... to lift up, turn face up. To *za turn with da-....-ya upward.
 *weza(n)de -- B wezade T wezande/wezad to load (a gun).
 *za(n)da -- B zā(n)da/zāda steep.
 *zaze -- B zaze/zaz gall, bile.
 *wezaze -- T wezaze/... to treat or clean stg. (e.g. a tub) with boiling water.

- *zaž^oe -- B zaž^oe/zav narrow. Cf. *Pž^oeza.
 *zac^h'e -- B zaš^h'e/zaš to be bored, tired.
 *zanč'(a) -- B zānč'a/zānš'a straight, T wezanč'e to straighten.
 *zala -- B zāla/zāla to get wrinkled (of skin), K also to wither.
 *zala -- B zāla/zāla a measure (breadth of one finger).
 *za^r/ng(a) -- T zanž'e, zarež'a Š zarg (-ga?)/zarega berries of the snowball tree, T zarž'aya snowball tree.
 *zak^oa -- Š zāk^oa/... full, whole.
 *zax^oe -- T zafe/... oatmeal.
 *zaPq:(a) -- Š zāpq:a/... straight, T wezapqe to straighten.
 *zanTže -- T zantže/zantž oats (K antiquated).
 *zaže -- T zaže/zaž becoming (of clothes)/easily digestible, easy to get on with, T ya-zaže/ya-zaž to consent/to accommodate oneself, be fitting, useful.
 *zaža -- B zāža/zāža to come to rest (of physical movement).
 *zaq:^oa -- B zāq:^oa/zāq^oa lonely, (a)lone.
 *zašže -- B zašže/zaš alike, similar.
 *zawa -- B zāwa/zāwa war, battle.

*zaze	<u>gall, bile</u>	*qaza	<u>skilful, doctor</u>
*wezaze	T <u>to clean w. boiling water</u>	*gaza	<u>(re)turn, turnoff</u>
*ž'a(r)ze	<u>bronze/brass</u>	*gaza	<u>measles</u> (*š ^o a-)
*Pleze	<u>to stare rigidly</u>	*q ^h oza	K <u>to sieve</u>
*že(r)ze	<u>to moan, groan</u>	*q: ^o ez(a)	<u>to compress, pull fast (as belt)</u>
*x ^o eze	<u>to press (as fruit)</u>	*q ^o eza	K <u>crooked, narrow, flat</u>
*q:aze	<u>goose</u>	*g ^o eza	<u>leader, pilot, target, sight (on gun)</u>
*gaze	<u>to force, compel sb.</u>	*g ^o eza	T <u>to dry out slightly</u>
*g ^o eza	<u>haze, light fog, steam</u>	*Pž ^o eza, -ža	<u>narrow, tight</u>
*weze	<u>pain, disease</u>	*narza	T <u>swan</u>
*maze	<u>forest</u>	*narza	T <u>to soar, hover</u>
*naze	<u>hem, border, edge</u>	*šhaza	<u>"vertjačka" (a disease of sheep)</u>
*t:aza	<u>crooked</u>	*maza	<u>moon, month</u>
*terza	T <u>to sport, gambol (horse)</u>	*naza	<u>squint-eyed</u>
*Tq ^o eza	T <u>twins</u>		
*x ^o arza	K <u>to soar, hover</u>		

24. Pz

- *Pze -- B bze/bze female (< *š^oze < *š^oeze).
 *Pz(a) -- B bz(a)/bz(a) to cut cloth, (in)tr., T tr. also to operate.
 *Pza -- B bza/bza language.
 *Pza -- B bza/bza bowstring, spring.

- *Pza -- B -bza/-bza intensely, strongly, quite (suffix w. color names, e.g. *P_lə-ž'ə-Pza bright red, quite red).
- *wəPzət^ha -- .../webzeta to cut, shred.
- *Pzəx^oe -- T bzəfə/bzəx^o linden.
- *wəPzəx^oe -- .../webzəx^o to plan, make layout for, tr.
- *PzəP_xa -- B bzəp_xa/bzəp_xa pattern (for cutting).
- *Pzəğ_a -- B bzəğ_a/bzəğ_a slice, piece, T cut-off piece.
- *Pzəğ_a -- B bzəğ_a/bzəğ_a clear (esp. about winter nights).
- *Pzey_e -- B bzey_e/bzey ray of light, K māfa-bzey flame (māfa fire).
- *Pzey_e -- .../bzey corn-stalk.
- *Pzewe -- B bzewe/bzew sparrow, bird (generic).
- *PzaPza -- S bzābza/... a type of grass.
- *Pzaga -- B bzāž'a/bzāga evil; to make mischief.
- *Pzaxe -- B bzaxe/bzax to disappear.
- *Pzak:^oa -- B bzāk:^oa/bzāg^oa dumb (without speech).
- *Pzag^oe -- B bzag^oe/bzag^o tongue.
- *Pzağ_a -- B bzāğ_a/... wrong (inner) side of textile.
- *Pzay(a) -- B bzāya, bzaye/bzay to lick, itr. and tr.

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|------------------------|-------------------|--|------------------------|--|
| *dēPzē | S | <u>veranda</u> | *č:aPza | <u>to become transparent by settling (of fluids)</u> |
| *č ^h ePzē | | <u>mare</u> | * _l aPza | K <u>mark on feet of domestic birds</u> |
| *yaPzē | | <u>stable manure/slops, swill from stable manure</u> | * _x aPza | <u>usage, tradition, law</u> |
| *c ^h ePza | B | <u>autumn wool</u> | *PğēPza | <u>to curse</u> |
| *PzaPza | S | <u>a type of grass</u> | *q:aPz(a) | <u>clean, to clean</u> |
| *ç: ^o aPza, | -P ₃ a | <u>plowshare</u> | *ğēPza | <u>lament (song)</u> |
| *č ^h 'ePza | | <u>sieve</u> | *T _h aPz(a) | <u>token, mark</u> |
| *ğ ^h 'aPza | | <u>bow and arrow</u> | *wēPza | <u>to try to ingratiate one-self</u> |
| *č'aPza | | <u>lining</u> | | |

25. š

- *šē -- B šē/šē to become visible, apparent, usually w. local prefixes, but cf. B naf ma-šē/nax^o ma-š it dawns, becomes light (*nax^oe light, *ma- dynamic prefix in 3rd pers. itr.).
- *šē -- T baž'a-šē/... jackal besides bāž'a fox.
- *š(a) -- B š(a)/š(a) to weave (cloth, thread), braid (belt, lasso), (in)tr.
- *ša -- B ša/ša a hundred.
- *šebe -- S šebe/... to fill (as sack).
- *šēPq:(a) -- B šēpq:a/šēp^q real, genuine, complete.
- *šēğ^oa -- B šēğ^oa/šēğ^oa to wear mourning.
- *šēñ(a) -- B šēña, šēñe/šēñ deer.

- *weṣey(a) -- T weṣey(a)/weṣey, ya-weṣeya to admonish, exhort, K weṣeyā-k^oa teacher, instructor.
- *ṣena -- B ṣena/ṣena lamb.
- *ṣaba -- B ṣāba/ṣāba soft (material, character).
- *ṣaṣ(a) -- B ṣāsa/ṣāsa to crumble, fall apart, q:ə-y-ḡa-ṣaṣə/qə-y-ḡa-ṣaṣ to pour out (dry substances), B also cause to rustle (as silk) (*q:- hither, y- hollow space).
- *ṣaṣa -- B ʔ^oe-ṣāsa/ʔ^oe-ṣāsa to whisper (prob. identical w. preceding).
- *ṣale -- T ḡa-ṣale/... year ḡa with good harvest, Ṣ rainy weather.
- *ṣax^oe -- B ṣafe/ṣax^o secret.
- *ṣaḡa -- B ṣāḡa/ṣāḡa (round) braid, lace (as adornment).
- *ṣaya -- Ṣ ṣāya/... squirrel. Cf? B ṣ^oāya rat.
- *ṣawa -- B ṣāwa/ṣāwa youth, esp. bridegroom, T also son.

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|----------------------|--|-----------------------|--------------------------|
| *ṣ ^o aṣe | <u>trust, confidence</u> | *welaṣa | Ṣ <u>to pound, crush</u> |
| *weṣe | <u>to trot</u> | *k: ^o eṣa | <u>cradle</u> |
| *paṣa | <u>big, ancestor</u> , Ṣ <u>grownup</u> | *k ^o aṣa | T <u>to sneak up</u> |
| *deṣa | <u>gold</u> | *Pḡaṣa | <u>weaver's comb</u> |
| *ṣaṣa | <u>to crumble, be poured out, rustle</u> | *ḡ ^o eṣ(a) | <u>to dry out, dry</u> |
| *ṣaṣa | <u>to whisper</u> (*q ^o e-) | *weṣa | T <u>to stuff, fill</u> |
| *Pṣaṣa | <u>girl/maiden</u> | *meṣa | <u>bear</u> |
| *Pḥ ^o aṣa | <u>leaf, foliage</u> | *naṣa | T <u>brow-ridges</u> |

26. Pṣ

- *Pṣe -- B pṣe/pṣe to get tired, K also to get out of breath.
- *Pṣa -- B pṣa/pṣa neck, T q^oaṣ ṣā-pṣa/q^oaṣpṣa upstream end of village (*q:^oaṣ^oa).
- *Pṣa(m)Pḡ^oa -- B pṣāpa Ṣ pṣāpḡ^oa/pṣāmpa collar (of clothing).
- *Pṣabe -- T pṣabe/... back of neck.
- *Pṣaṣa -- B pṣāsa/pṣāsa girl/maiden.
- *Pṣaḡ^oe -- B pṣaḡ^oe/ pṣaḡ^o chain/collar (as of dog).

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|--------|--------------------------|--------|--------------|
| *laPṣe | <u>god of the smiths</u> | *ḡaPṣa | <u>wrist</u> |
| *laPṣa | <u>ankle</u> | | |

27. ṣ

- *ṣe -- B ṣe/ṣe old; inveterate.
- *ṣ(a) -- B ṣa/ṣa to be baked, roasted, scorched, T p-ya-ṣe to burn the end p- of stg. (e.g. one's hand); prob. also in T ṣa-ḡa-weze/ṣa-n consumption (-ḡa -ness, weze disease, -n verbal noun).

- *za -- T p-ya-za-n/p-ay-za to go to meet sb., often 2nd element w. verbs of motion: *p^h-ya-č:a-za run to meet, etc.
- *za -- T za-zəya/za-zay kidneys. Cf. next item.
- *zəya -- B -zəya/-zay small.
- *zaža -- B zāža/zāža slow, lingering, dawdling.
- *zarq:ə -- S zarq:ə/... pole w. branches on which herdsmen hang sacks, etc.
- *zawə -- B zawə/... Russ. xozjain.
- *zama -- T zāma/... a kind of cakes baked for funeral repast.

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|----------------------|--------------------------------|-------|--|
| *p ^h əze | <u>hedgehog/blackthorn</u> | *yəze | <u>antiquity, ancient</u> |
| *Pse(n)zə | <u>mud, mire</u> | *nazə | T <u>to be keen on stg. (ya-)</u> |
| *g ^o əze | T <u>anger, malice, grudge</u> | *zaža | <u>slow, lingering, dawdling</u> |
| *Sx ^o əze | <u>pelvis</u> | *xəza | <u>to hurry/to be bold, decisive, frenzied</u> |
| *q ^h əze | <u>pear</u> | *ğaza | <u>to solder</u> |
| *ğ ^o erze | B <u>roof-tiles</u> | | |

28. Pz

- *Pza -- B bza/bza horn, drinking-vessel, in compounds also nail, hoof.
- *Pzap^ha -- T bzāpa/bzapa precipice.
- *Pzas^oe -- B bzas^oe/bzaf feeding-bottle. T also bzas^oe.
- *Pzala -- T bzāla/... round basket used as form for cheese.
- *Pzāq:°a -- B bzāq:°a/bzāq^oa horn (of cow, etc.).
- *Pzana -- B ʔa-, la-bzāna/ʔa-, la-bzāna finger-, toe-nail.

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|----------------------|--------------------|--------|------------------------------------|
| *p ^h aPza | <u>bush, shrub</u> | *laPza | <u>hoof, claw/root, foundation</u> |
| *čəPza | T <u>to swell</u> | | |

29. Š, Šq

(The possibility Šq as opposed to š has been reported for Šqa to know only).

- *še -- B še Š še/še to make, build, tr.
- *ša -- T pe-ša-n/pe-ša to tie stg. to (the front end pe-) of stg., tr.
- *ša -- T tya-ša-n/... to pass (of time, tya- here since), in K only in the expression k^oad š-ā-wa long ago, lit. much k^oad having passed (-ā past, -wa modal case).
- *Šqa -- B ša Š šqa/ša to know, tr., to perform, itr.
- *šaka -- T šāč'a/šāka weeds, K also chaff.
- *šaxe -- B šaxe Š šaxe/šax quickly, soon.
- *šag^oa -- B šāg^oa/šāg^oa important, interesting, rare, T also miraculous; B ša-šāg^oa/šā-šāg^oa to astonish.

*ṣ̌°əṣ̌a	<u>beneficent, benefit, good deed</u>	*ḡaṣ̌a	<u>life(time)</u>
*ḷəṣ̌(a)	<u>hired worker; earn as id.</u>	*q̌°əṣ̌(a)	<u>to build (as dam)/dam</u>
ḷaṣ̌(a)	<u>century (-ḡ°(a))</u>	*ḡ°əṣ̌a	<u>to quarrel, swear, grumble</u>
		*ḡ°əṣ̌a	T <u>to prance (of horse)</u>

30. Pṣ̌

- *Pṣ̌(a) -- B pṣ̌(a)/pṣ̌(a) ten (times).
 *Pṣ̌(a)Pṣ̌(a) -- T pṣ̌āpṣ̌a/pṣ̌epṣ̌ to ferment, boil/to glitter, be iridescent.

*Pṣ̌(a)Pṣ̌(a)	<u>to ferment, boil, glitter</u>	*naPṣ̌a	<u>brow-ridges</u>
*q̌°əPṣ̌a	<u>lips</u>		

31. ɕ̌°

- *ɕ̌°ə -- T bzaḡ°ə-rā-ɕ̌°ə/bzaḡ°ə-ra-f to articulate badly, to burr (*Pza-ḡ°ə tongue, -rā-/ra- instrumental), cf. also T ḷa-bḡ°ə-ɕ̌°ə walking with slanting feet (ḷa foot, bḡ°ə side). Prob. to be combined w. next item.
 *ɕ̌°a -- B ʔa-be-ɕ̌°a/... mitt; possibly hand-hollow-slide (cf. *ɕ̌°a-ḡ°a), though -be- may also be an extension of ʔa (cf. *ḷabə heel), or may represent a variant of connective -m-.
 *ɕ̌°aḡ°a -- B ɕ̌°aḡ°a/... to creep, slide.

32. ɕ̌°:

- *ɕ̌°:ə -- B ɕ̌°:ə/və bull, ox.
 *ɕ̌°:əndə -- B ɕ̌°:əndə/vənd rook.
 *ɕ̌°:ə(n)Tḡa -- B ɕ̌°:əṭḡa T ɕ̌°:əntḡa/... to tear up.
 *ɕ̌°:əPḡa, -Pza -- B ɕ̌°:əḡbza/vāḡḡa plowshare.
 *ɕ̌°:əq̌:a -- B ɕ̌°:əq̌:a/vāq̌a shoes.

*Pḡaɕ̌°:ə	<u>rafter/brace between rafter and beam</u>	*wəɕ̌°:a	<u>to stand, stand up(on), stop, halt, B also to get tired</u>
*Tḡaɕ̌°:ə	<u>wheat-flour dough</u>		

33. ǯ°

- *ǯ°a -- T ǯ°a/... to dam, fill, block up.

- *ḡa(n)ǯ°a haystack, rick

34. s°

- *s°ə -- B s°ə/fə to get wet; to rot.
- *s°ə -- B wa-s°ə/... hail (meteorol.) (wa- sky, weather).
- *s°ə -- B -s°ə/-f suffix to be able to.
- *s°(a) -- B ye-s°ə/ye-f to drink, tr. (ye- hollow, container), B ya-s°a/ya-fa to drink, itr.
- *s°a -- B s°a/fa hide, skin, leather, bark of tree, peel, etc.
- *s°a -- B s°a/fa color, appearance, T warade-s°a melody (warade song), cf. *Pq:ə. Orig. identical w. preceding item.
- *s°a -- B s°a/fa you, pl.
- *s°a -- B q:a-s°a/qā-fa to dance (*q:a- hither), T la-pa-re-s°a to dance on the tips pa of the feet la (-re- instrumental), T šha-šā-s°a with shaking head šha; cf. also *weš°aš°a.
- *s°eze -- B s°eze/fəz woman.
- *s°e(n)č°e -- B s°eč°e/fəš° to rob/to pluck (a bird), T s°enč°e/pə-feš°e-k to tear up/to tear off (as fruit from tree) (pə- tip, -ke out of, away from).
- *s°ampā -- T s°āmpā/... husk, skin, peel.
- *s°at:a -- B s°āt:a/fāda a beverage made of corn; beverage (generic).
- *s°ant:ə -- B s°ant:ə/fand wineskin (B antiquated).
- *weš°aš°a -- T ša-weš°āš°a/wefāfa to (T cause to) rock, sway; caus. also to show (K by waving stg.).
- *s°aš:(a) -- B s°āš:a/fāša outfit, costume, uniform; to be worthy, fitting, K ša-faš to equip, adorn.
- *s°apžə -- T s°abžə/fabž blow, stroke/maiming, mutilation.
- *s°ala -- B s°āla/fāla vessel, cup.
- *s°aga -- T s°āž°a/fāga luckless/ugly, unattractive.
- *s°ax°ə -- T s°afə/fax° plain, steppe, smooth side of knucklebone used in bone game/bald.
- *s°aq:°ə -- T s°aq°ə/fāq° bald.
- *s°(a)ğ°a -- B ya-s°əğ°a/fəğ°a to envy/envy (noun), T tya-weš°ağ°a-n to envy (tya- on, etc.).
- *s°ağ°a -- B s°āğ°a/fāğ°a pale.
- *s°aya -- B s°āya/... rat.
- *s°awə -- B s°awə/faw honey.

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|-----------|--|-----------|---------------------------|
| *Psaš°ə | <u>pregnant (of animals)</u> | *Pseš°(a) | <u>moisture</u> |
| *Pzaš°ə | <u>feeding-bottle</u> | *weš°aš°a | <u>to rock, sway</u> |
| *ğ°aš°ə | T <u>saline soil; dust-colored, dusty</u> | *č°eš°a | <u>human skin, body</u> |
| *waš°ə | B <u>hail</u> (meteorol.) | *laš°(a) | <u>to pull, drag</u> |
| *naš°ə | <u>blind</u> | *laš°a | <u>harrow</u> |
| *thaš°a | K <u>field of grass, glade</u> | *Plaš°a | <u>appearance/quality</u> |
| *wet:aš°a | <u>to misbehave</u> , T also <u>to get drunk</u> | *gaš°(a) | <u>smooth</u> |
| | | *kaš°a | S <u>ceiling</u> |

*xaš ^o a	B <u>steppe</u>	*q ^o es ^o a	<u>shore, bank, edge</u>
*xaš ^o a	See *Pxaš ^o a	*ñaš ^o a	<u>rubber</u>
*k ^o es ^o a	<u>sidewall of cart</u>	*haš ^o a	<u>coat of mail</u>
*g ^o es ^o a	S <u>glade</u>	*weš ^o a	K <u>to cover</u>
*Pxaš ^o a	<u>treebark</u>	*waš ^o a	<u>sky, heaven</u>
*qh ^o aš ^o a	<u>boat</u>	*wenaš ^o a	<u>order, decree</u>
*qh ^o aš ^o a	<u>trough, gutter</u>		

35. z^o

*z ^o e	-- B z ^o e/ve <u>to thaw (out)</u> , itr., cf. also T wa-z ^o -bāna/wa-v-bāna <u>rainy/prolonged rain</u> (K with dissimilation also walbāna), T wa-ya-z ^o a-ya <u>bad weather, rainstorm</u> (wa <u>sky, weather</u> , ya <u>bad</u>).
*z ^o a	-- B z ^o a/va <u>to plough</u> , itr. and tr.
*z ^o a	-- B z ^o a/va <u>to be boiled (of food)</u> , itr.
*z ^o a	-- S z ^o a/... <u>oar</u> .
*z ^o enTxa	-- T wez ^o entxa/... <u>to spit</u> (K webzetxa).
*z ^o eğa	-- T z ^o eğa/... <u>mass, multitude</u> .
*z ^o ewe	-- B z ^o ewe/vew <u>to buzz, hum</u> , itr.
*z ^o at:e	-- B z ^o at:e/... <u>to make merry</u> .
*z ^o az ^o e	-- T pa-z ^o az ^o e/... <u>to drip off</u> (pa- <u>tip</u>).
*z ^o ak ^h e	-- B z ^o ak ^h e/... <u>red-hot coals</u> .
*z ^o ax ^o a	-- T z ^o āfa/... <u>oil cakes for cattle</u> .
*z ^o arq ^h e	-- B z ^o arq ^h e/... <u>troubled (of water)</u> , stifling. Cf. *weš ^o arq ^h e.
*z ^o apxe	-- B ġa-z ^o apxe/ġa-vapx <u>to pour boiling water over stg.</u>
*z ^o apx ^o e	-- T z ^o apx ^o e/... <u>girl in relation to wet-nurse</u> .
*z ^o a(š)x ^o e	-- T z ^o aš ^o e-ġa/vašx ^o <u>oversight, omission/to make an id.</u> (-ġa past, also suffix for nomina actionis and abstracta).
*z ^o ağ ^o a	-- B z ^o āğ ^o a/vāğ ^o a <u>star</u> .

*baž ^o e	(year w. good) <u>harvest</u>	*čez ^o (a)	<u>to make off/to whirl, fly</u>
*čez ^o e	<u>bug</u> , T <u>a kind of fly</u>	*Psez ^o a	<u>boiling water</u>
*zaž ^o e	<u>narrow</u>	*laž ^o a	T <u>to be late, overdue</u>
*z ^o az ^o e	T <u>to drip off</u>	*g ^o ez ^o a	<u>to be late</u>
*q ^o ez ^o e	<u>thick (layer, fluid)</u> , fat	*ğaz ^o a	<u>grain harvested</u>
*ñaž ^o e	<u>puppy</u>	*mez ^o a	<u>stone</u>

36. š^o

*š ^o e	-- B š ^o e/... <u>liver</u> .
*š ^o (a)	-- B š ^o e/fe <u>good</u> , B -š ^o a/-fa <u>good</u> , B ġa-š ^o a-n/ġā-fa <u>to pamper, spoil</u> , T also <u>to cherish (a person)</u> .
*š ^o ec(a)	-- B š ^o ēca S š ^o ēša/feča <u>black</u> , B weš ^o ēce/wefēc <u>to become black</u> .

- *š^oəš^a -- B š^oəš^a/fəš^a beneficent, benefit, good deed.
- *š^oəč^a -- T š^oəč^a/fəš^a gratitude.
- *š^oələ -- B š^oələ/... to suck.
- *š^oən^kə -- B š^oənč^a/kəf (metathesis) dark, B wəš^oənč^a/wəfən^k, wən^kəf to go out (as light), be extinguished. Cf. *kəš^oə.
- *š^oəye -- T š^oəye/... to squeak, cheep.
- *š^oāba -- T š^oāba/... (to do stg.) in a hurry.
- *š^oašə -- B š^oašə/fāš trust, confidence.
- *š^oāla -- B š^oāla/fāla front legs of horse, cattle, K also hoof.
- *wəš^oarq^hə -- T š^oa-wəš^oarqə SM -xə/... to trouble, make muddy. Cf. *z^oarq^hə.
- *š^oaq^oə -- B š^oa^oə/fā^o (to turn) sour.
- *š^oaye -- B š^oaye/fay dirty.
- *š^oana -- B š^oana/fāna hoe.

*kəš ^o ə	<u>dark(ness)</u>	*Pž ^o əš ^o a	<u>stately</u>
*qəš ^o ə	<u>sweet</u>	*g ^o əš ^o a	<u>to be glad</u>
*waš ^o ə	<u>fine weather</u>	*Pq ^o əš ^o a	<u>well-built</u>
*naš ^o ə	<u>benevolent</u>	*g ^o aš ^o (a)	<u>easy</u>
*Pš ^h aš ^o (a)	<u>cook, to cook</u>	*maš ^o a	<u>fire</u>

37. č^h

- *č^hə -- B š^hə-/šə- salt, cf. *č^həğ^oə, *č^həwə, poss. also *č^həPse.
- *č^h'(a) -- B š^hə/šə to milk, tr., B š^ha/ša milk.
- *č^h'(a) -- B š^h'(a)/š(a) to take, bring, lead, drive out of (resp. into), tr.
- *č^h'(a) -- B š^ha-š^hə/š^ha-š to bend, T to twist (rope), B ya-š^ha-č^hə/ya-š^ha-k to wind stg. around stg. (*ya-...-k around) (cf. also *č^həña), B -š^ha/-ša crooked, cf. *q^oəč^ha, *nač^ha, etc.
- *č^ha -- B š^ha/ša arrow, bullet.
- *č^hədə -- B š^hədə/šəd donkey.
- *č^həta -- T š^həta/šəta to massage, T also to squeeze, squash.
- *č^həPse -- B š^həpse/šəps Circassian national sauce (cf. also š^həbž^həye/šəbžəy pepper).
- *č^həPza -- B š^həbza/šəbza sieve.
- *č^həla -- B š^həla/šəla raw silk (Tu çile yarn, (silk) thread).
- *č^həla -- B š^həla/šəla middle (of summer, winter). Cf? *č^haga.
- *č^həğ^oə -- B š^həğ^oa/šəğ^o salt.
- *č^həñ(a) -- B š^həña/ya-šəñ to provoke sb.
- *č^həña -- T š^həña/šəña to roll, wind, wrap, B k^oačə-š^həñā-n to wrap up (k^oačə- inside).
- *č^həwə -- B š^həwə/šəw to salt, tr.
- *č^həne -- B š^həne/šən pus, abscess, boil.

- *čh'ena -- B šh'ena/šena to be afraid.
 *čh'ere -- B šh'ere/šer young of animal, cub, fledgeling.
 *čh'at^ha -- B šh'at^ha/šāta film on milk/cream.
 *čh'apza -- B šh'ābza/šābza bow and arrow.
 *čh'ak^he -- B šh'ach'e/šak to bear, put up with. Cf. *čh'(a)q̄a.
 *čh'ak^he -- B šh'ach'e/šak suspicion, doubt. (Tu šek doubt, but cf. also next item).
 *čh'ak^h(a) -- B šh'ach'e, šh'ach'a/šak, šāka to weigh, (in)tr.
 *čh'aga -- T š'až'ā-g'a/šagā-g'a noon, dinner-time (g'a time). Cf. *čh'ela.
 *čh'(a)q̄a -- B šh'ā'a/šē'a to put up with, withstand (a burden). Cf. *čh'a-k^he. T š'araš
 *čh'arše -- B šh'arše/šarš wheel (Tu çark, Pers. çarx).
 *čh'apše -- B šh'apše/šapš small shot.
 *čh'(a)ye -- T š'aye/šey to stick out (one's arm, finger).

*p ^h ach'e	<u>room</u>	*p ^h ach'a	<u>leader</u>
*bač'h'e	<u>stick</u>	*lač'h'a	<u>lame, K also w. crooked legs</u>
*zač'h'e	<u>to be bored, tired</u>	*xač'h'a	<u>spy, scout/informer</u>
*ga(r/n)č'h'e	<u>bean, pea</u>	*Txəč'h'a	<u>hunchbacked</u>
*k ^h oáč'h'e	B <u>to migrate (of nomads)</u>	*g ^o áč'h'(a)	<u>to distribute, divide</u>
*x ^o áč'h'e	<u>cramp, convulsion</u>	*q ^o a(n)č'h'a	<u>crooked; unjust</u>
*gáč'h'e	<u>milk, milk products</u>	*q ^o əč'h'a	<u>w. crooked mouth/crooked, bent</u>
*g ^o áč'h'e	T <u>to lead sb. to meet sb.</u>	*x ^o əč'h'a	<u>mass, multitude, K also herd</u>
*wəč'h'e	<u>to wake up</u>	*nač'h'a	<u>squint-eyed</u>
*mač'h'e	<u>millet (on the field)</u>		
*nəč'h'e	<u>animal killed in honor of guest</u>		

38. Pčh'

- *Pčh'a -- B pšh'a/pša cloud(s).
 *Pčh'en(a) -- T pš'en(a)/pšen to compensate, pay a debt, (in)tr., K pšenā-k^oa debtor (k^oa to go, also forms nomina agentis).
 *Pčh'ena -- B pšh'ena/pšena accordion, B šh'e-č'a-pšh'ena/šekapšena native violin, lit. horse-tail violin.
 *Pčh'ap^ha -- B pšh'ap^ha/pšāpa dusk (T irregularly pč'āpa).
 *Pčh'ap^hə -- B pšh'ap^hə/pšap^h twilight.
 *Pčh'ag^oa -- B pšh'ag^oa/pšāg^oa mist, haze.
 *Pčh'are -- B pšh'are/pšar fatty layer, fat (as noun and adj.).

39. č:'

- *č:ela -- B č:ela/žela seed(s), stone (of fruit).
 *č:ela -- B č:ela/žela (population of) village, aul. Prob. = preceding.

- *č: 'əž 'a -- B č: 'əž 'a/žəža far.
 *č: 'aš: 'ə -- B č: 'aš: 'ə/žaš night, cf? B nə-č: 'a-p:a/nə-ža-ba last night,
tonight, where the elements *nə-...-p:a, recurring in B n-ya-
 p:a/n-aw-ba today (cf? *wa sky with dissimilation in W.Circ.?),
 etc., are unclear.
 *č: 'amə -- B č: 'amə/žam cow.
 *č: 'anə -- B č: 'anə/žan sharp, energetic, lively; pen-knife, T also razor.
 (Cf? Georg. žani health, strength, from Pers. žan soul).

40. Pč: 'ə

- *Pč: 'ə -- B pč: 'ə/bžə pike, lance, spear, T pag^oa-pč 'ə fish-spear. Cf.
 *Pč: 'ağ^oə and possibly B pč: 'əč 'a lightning.
 *Pč: 'a -- B pč: 'a/... waist (T pč 'ana).
 *Pč: 'ag^oə -- B pč: 'ag^oə/... middle, center, circle. Cf. *g^oəPč: 'a.
 *Pč: 'ağ^oə -- B pč: 'ağ^oə/bžag^o stake, pole.
 *Pč: 'aye -- B pč: 'aye/bžay plane tree.
 *Pč: 'ane -- B pč: 'ane/bžan she-goat.

*g^oaPč: 'a brownish

*g^oəPč: 'a B middle, center, circle

41. ž 'ə

- *ž 'ə -- T šhā-ž 'ə/šhā-ž everyone (šhā head).
 *ž 'ele -- T ž 'ele/žel- twelve-year animal cycle (Tu yıl, Kar žil year).
 *ž 'a(r)ze -- T ž 'arze/žaz bronze/brass, B ž 'aže bronze w. assimilation.
 (Nogay yez, ultimately from Mongolian zes copper).
 *ž 'ala -- T ž 'āla/žāl withers (of horse).
 *ž 'axa -- T ž 'axā-š^oa/žaxā-fa (surface *š^oa of) floor in house. Cf? T
 ž 'aneq^oa place before the hearth.
 *ž 'ağ^o(a) -- B ž 'āğ^oa/žāğ^oa odious, unpleasant, T also enemy, B wež 'ağ^oə/
 wežāğ^oa to get fed up with sb., tr. Cf? K yež evil design,
envy, yeža to envy, itr.

*laməž 'ə bridge

*baž 'a fox

*k^hanž 'ə shallow

*q:anž 'a magpie

*Pxanž 'ə distorted, crooked, wrong

*q:əaž 'a village, aul

*Pg^oənž 'ə inclined, bent, crooked

*ħaž '(a) to grind

*Pg^oaž 'ə S steppe

*marž 'a (interjection) "let's go!"
/call (to a group)

*be(n)ž '(a) navel

42. Pž 'ə

- *(P)ž 'amešxe -- T ž 'amešxe/bžamešx spoon. Cf. *šx(a) to eat; -mə- poss. syl-
 labified connective (cf. *laməž 'ə).

*g°eP°'e Tuesday

43. č'

- *č'e -- B č'e/še-māx°a winter (māx°a day).
 *č'a -- B č'a/ša new, young, fresh.
 *č'a -- T š'e-č'a/še-ša to be in need, to be wanting (*š'h'e- general deixis).
 *č'a -- B °e-č'a/°e-ša to meet, itr. (°e- approaching, close).
 *č'ebe -- B č'ebe/šeb back, rear.
 *č'et'ha -- B č'et'ha/šeta to soak, itr. Cf? *T'hač'(a).
 *č'eš°a -- B č'eš°a/šefa human skin; body.
 *č'ek'e -- T pe-č'ek'e/pe-šek to break off, T itr. K tr. (pe- tip).
 *č'ex°e -- B č'ef'e/šex° pale/bluish, birch-color.
 *č'eq°e -- B č'e°e/še°e button(s), fastening, T also č'e°e w. dissim.
 *č'eq°e -- B č'e°e/še°e upper part, top side.
 *č'eh(a) -- T č'eha-k°eha/šeh esteem, honor, authority.
 *č'ap'he -- B č'ap'he/šap hemp.
 *č'apa -- T la-č'apa/la-n-kāpa calf of leg/shin (la leg).
 *č'at'he -- B č'at'he/šat saucer, "podstavka". Cf. next item.
 *č'aža -- B č'aža/šaža lining, "vsjakaja podkladka". The lack of ā in K points to ša- under.
 *č'asa -- B č'asa/šasa beloved, lover.
 *č'aPza -- B č'abza/šabza lining. See comment under *č'aža.
 *č'ač'(a) -- T č'ač'e/šaš(a) watch- or sleeping-tower in forest or field. See comment under *č'aža.
 *č'ala -- B č'ala/šala youth, young man, boy.
 *č'ak°a -- B č'ak°a/šak°a felt cloak, "burka".
 *č'aq'h°a -- T č'aq°a/šaq°a bread.

- | | | | |
|------------|---------------------------------|-----------------|---|
| *tač'e | <u>to undress, tr.</u> | *zanč'a | <u>straight</u> |
| *š°e(n)č'e | <u>to pluck (bird), tear up</u> | *š°eč'a | <u>gratitude</u> |
| *lač'e | <u>to rub off, clean</u> | *č'ač'(a) | <u>watch- or sleeping-tower</u> |
| *kač'e | <u>short (T of time only)</u> | *weP'la(n)č'(a) | <u>to fold in four</u> |
| *geč'e | <u>to wash (laundry)</u> | *x°eč'(a) | <u>to wash the head</u> |
| *k'h°ač'e | <u>lap (portion of body)</u> | *q°e(n)č'(a) | <u>to push, shove</u> |
| *Tq°ač'e | <u>twenty</u> | *Pq°ač'(a) | <u>flattened, thin (also of fluids)</u> |
| *nač'e | <u>empty</u> | *Pq°ač'a | <u>to stir, K also to hurry</u> |
| *p'hač'a | <u>mustache</u> | *Tq°ač'a T Š | <u>valley between mountains</u> |
| *peč'a | <u>to freeze, feel cold</u> | *x°e(n)č'a | <u>to rob, T also raid</u> |
| *Psenc'a | <u>light, swift</u> | | |

*Tṣʰə(n)čʰa to scrape, plane

*ḡʰəčʰa to dry out

*ḥačʰa guest

*ṭḥačʰ(a) to wash

*mačʰa (a) little, few

*načʰa to chaff, tease, mock

44. Pčʰ

*Pčʰ(a) -- B pčʰa/pṣə to weed, tr., K also to clean rough wool, B pčʰa/pṣa to weed, itr.

*Pčʰ(a) -- T pə-pčʰa/pə-pṣa to stick to, itr. (pə- tip; also w. other local prefixes), T ḡa-pčʰə/ḡa-pṣ to glue, stick on, tr.

*Pčʰa -- B pčʰa/pṣa price, importance, K also honor.

*Pčʰəḥ(a) -- T pčʰəḥāpa/pṣəḥ, pṣəḥāpa dream. Relation to B pčʰəḥa T pčʰəḥa K pṣəḥa-ṣḥa evening uncertain; the correspondence B pčʰ:/pṣ is irregular.

*wəPčʰatḥa -- T wəpčʰata/wəpṣata to cut (e.g. meat), to shred.

*Pčʰanta -- B pčʰanta/pṣanta to sweat.

*Pčʰaṣa -- B pčʰaṣa/pṣaṣa leaf, foliage.

*Pčʰawe -- B pčʰawe/pṣaw to yelp. Cf. *Pčawe.

*wə(P)kaPčʰə to husk, peel, clean

*wəTxePčʰə to shake out (as rug)

*qʰəPčʰ(a) articulate, clear, distinct

*pḥaPčʰa because of

*wə(P)kaPčʰa to be buttoned, fastened

*kḥəPčʰ(a) core, centre, kernel

*ḡəPčʰa B having a good memory

*qʰəPčʰa piece, portion, (*Txe-) vertebra

*wəPčʰa felt

*wəPčʰ(a) to mow off, cut off

45. šḥʰ

*šḥʰə -- B šḥʰə/ṣə to shear (sheep), tr.

*šḥʰəpha -- B šḥʰəpha/ṣəpa first/for the first time.

*šḥʰəkə -- B šḥʰəkə-n/ṣək to give oneself airs, K also to be surfeited (*šḥʰə- poss. separable prefix, cf. T ṣʰa-m yə-čʰə-ḡ he gave himself airs, lit. came out of his skin).

*šḥʰəḡ(a) -- B šḥʰəḡə/ṣəḡa beads.

*šḥʰatḥa -- B šḥʰatḥa/ṣata to sigh.

*šḥʰaḡʰə -- B šḥʰaḡʰə/ṣaḡʰ to moan.

*kešḥʰə smithy

*wašḥʰə axe

*ṣḥašḥʰa bow, greeting

46. Pšḥʰ

*Pšḥʰa -- B pšḥʰa-rā-ḥə T pšʰa-re-ḥa/pṣāḥa, pṣaḥ young man serving elder; cook/to cook, itr., cook; to cook, tr. (For -rā- see under *ṣḥʰə;

the identity of the other segments is not certain).

47. š:'

- *š:'ə -- B -š:'ə/-ʃə lodging with roof (for guests, animals). Cf.
*k:'əš:'ə.
*š:'(a) -- B š:'(a)/ʃ(a) three (times).
*š:'a -- B š:'a/ʃa to sell, tr.
*š:'əš:'ə -- B š:'əš:'ə/ʃəʃ to neigh.
*š:'ax°(a) -- B š:'āfa, q:a-š:'afe/šāx°a, q'a-šax° to buy, itr. and tr.
(*q:a- hither).

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|-----------|--------------------------|----------|---|
| *t:əš:'ə | <u>relatives of wife</u> | *q'aš:'ə | <u>cattle-enclosure/cattle</u> |
| *č:'aš:'ə | <u>night</u> | *g'əš:'a | <u>pityful, alas!</u> |
| *š:'əš:'ə | <u>to neigh</u> | *g'əš:'a | <u>princess, husband's mother, T also wife, K also doll</u> |
| *k:'əš:'ə | <u>shelter for cart</u> | *g'əš:'a | <u>to lose one's way</u> |

48. Pš:'

- *Pš:'ə -- B pš:'ə/pʃə feudal prince.
*Pš:'ə -- B pš:'ə/pʃə to measure (dry substances), to fill (a sack, the traditional measure of dry substances). Cf. *Pš:'āla.
*Pš:'ə -- B pš:'ə/pʃə to swell up.
*Pš:'ə -- B č'a-ğa-pš:'ə/ʃa-ğa-pʃ to winnow (*č'a- down, under).
*Pš:'a -- B ya-pš:'a/ya-pʃa to blow at stg., itr.
*Pš:'ələ -- B pš:'ələ/pʃələ serf, slave.
*Pš:'eq:'a -- B pš:'eq:'a/pʃeq:'a husband's brother.
*Pš:'eq'°a -- B pš:'ā'°a/pʃə'°a temporary lodging of wattle.
*Pš:'əpχ'°e -- T pš'əpχ'°e/pʃəpχ'° husband's sister.
*Pš:'āla -- B pš:'āla/pʃāla container used for measuring dry substances.

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|-------------|-----------------------------|----------|-----------------------------------|
| *Tq'°əPš:'ə | <u>to release, set free</u> | *ŋaPš:'a | B <u>to pant, breathe heavily</u> |
|-------------|-----------------------------|----------|-----------------------------------|

49. ž'

- *ž'ə -- B ž'ə/ʒə air, wind.
*ž'ə -- B ž'ə/ʒə-wa early (-wa modal case), T ġa-ž'ə to quicken, hasten.
*ž'ə -- B ž'ə/ʒə to comb (hair), tr. Cf. *maž'a.
*ž'ə -- B -ž'ə/-ʒə suffix -colored, cf. *Pləž'ə, etc.
*ž'(a) -- B ž'ā-bġ'°a/ye-ʒ right side (bġ'°a side, ye- prob. 3rd pers. sg. possessive); T has irregularly ʒ'ābġ'°a.
*ž'a -- B ya-ž'a/ya-ʒa to go, leave, itr.

- *ž'a -- B f-ya-ž'a/x^o-ay-ža to begin, undertake, itr. (*x^o- for, to).
Prob. identical w. preceding item.
- *ž'ex^oe -- B ž'efe/žex^o fan.
- *ž'eŕga -- B ž'ebga/žebga wind.
- *ž'aw(a) -- T ž'awe/žawa shadow, shade, K also parasol, umbrella.

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|----------------------|------------------------------------|----------|--|
| *Pæž'e | <u>red</u> | | <u>fault, to wear out (of clothes)</u> |
| *(P)kæž'e | <u>to fade (of fabrics)</u> | | |
| *x ^o ež'e | <u>white</u> | *ñež'a | <u>to yearn, pine</u> |
| *g ^o až'e | <u>yellow</u> | *yaž'a | <u>ashes</u> |
| *č: 'ež'a | <u>far</u> | *wež'(a) | <u>weasel</u> |
| *laž'(a) | <u>to work (at), work, misery,</u> | *maž'a | <u>comb</u> |

50. Pž'

- *Pž'e -- B bž'e/bže yoke.
- *Pž'a -- B bž'a/bža bee.
- *Pž'eš^oa -- B bž'eš^oa/bžeša stately.
- *Pž'ePž'(a) -- T q-ya-bž'ebž'a/bžebž to burn, smart (q- hither).
- *Pž'eğa -- B bž'eğa/bžeğa grease-stain on clothing.
- *Pž'ene -- B bž'ene/bžen onion.
- *Pž'aš^oca -- T bž'aš^oa/bžāpca drone.
- *Pž'aq^oa -- B bž'aq^oa/bžāq^oa bee-garden, apiary.

- | | | | |
|-------------|---------------------------|-----------|---------------------------|
| *nePž'e | <u>age, K also shadow</u> | *čePž'a | <u>bumblebee</u> |
| *Pž'ePž'(a) | <u>to burn, smart</u> | *lePž'(a) | <u>to fry/a meat-dish</u> |

51. č^h

- *č^he -- B š^he/še sibling, brother.
- *č^he -- B š^he/še horse.
- *č^ha -- B š^ha-/ša- beeswax, cf. *č^hak^ho^a, *č^hax^oe; cf? also K maze-š wood-pitch, resin (maz wood, forest).
- *č^hePsa -- B š^heψsa/šepsa fairy-tale. The word exhibits metathesis, cf. B pš^hasa-ž id. (ž old), T pšesa (SM šepsa). K also pśesa. Cf. further B g^oe-pš^hesa/g^oeψsa to think where K again has dentals. The original form can alternatively be *Pč^hesa, with a unique segment *Pč^he. A remote connection with *wese compose (song), write (story) is possible.
- *č^hePze -- B š^hebze/šebz mare.
- *č^heč^oe -- B š^heč^oe/šeč^o gelding.
- *č^hePč^oe -- B š^hepč^oe/šepč^o sister.
- *č^hewe -- B š^hewe/šew horseman.
- *č^hase -- B š^hase/šas surety, pledge.

- *č^hase -- B š^hase/šas to mount a horse.
 *č^hak^h°a -- B š^hak^h°a/šāk°a honeycomb.
 *č^hax°e -- B š^hafe/šax° refined beeswax.
 *č^h(a)χ°a -- B š^hāχ°a/šəχ°a herdsman of horses.
 *č^hawa -- T šāwa/šāwa horse-driver, teamster.

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|---------------------------|----------------------------------|-----------------------------------|-------------------------------|
| *q:°ač ^h e | brother, B also <u>relatives</u> | *P ^h āč ^h a | <u>rough, tough, spirited</u> |
| *(P)la(n)č ^h a | <u>maple</u> | *P ^h āč ^h a | <u>brittle, fragile</u> |

52. Pč^h

- *Pč^haχ°a -- B pš^hāχ°a/pšāχ°a sand.

53. č:

- *č:e -- B č:e/že to congeal, harden (as butter, wax, cement), itr.
 *č:(a) -- B č:e/že to run (a distance), tr., (w. local prefixes:) to run, flow out, itr., B č:a/ža to run, flow (into), itr., T ġa-če/ ġa-ž to cast, found. Cf. also *ġač:e.
 *č:eġe -- B č:eġe/žēġ tree.
 *č:eya -- B č:eya/žay to sleep.
 *č:ere -- T čer/žer steel (T also irregularly šer).
 *č:aPza -- T čābza/žābza to become transparent by settling (of fluid).
 *č:aPxe -- T čapxe/žapx to dry up, dry out, itr.
 *č:aχ°e -- T čaχ°e/... to run the wrong way. Cf. *č:(a).
 *č:aġ°a -- T čāġ°a/... to become transparent by settling (of fluid). Cf. *č:aPza.

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|--------|--------------------------|--------|------------------|
| *ġač:e | <u>to cut, carve out</u> | *hač:a | <u>male goat</u> |
|--------|--------------------------|--------|------------------|

54. Pč:

- *Pč:(a) -- B pč:(a)/bž(a) to count, (in)tr.
 *Pč:(a) -- B pč:e/... to bewail, tr., B pč:a/bža to lament, keen, itr.
 *Pč:(a) -- B pč:a/bža door.
 *Pč:(a)ġa -- B pč:āġa/bžēġa number, quantity.

- | | | | |
|-----------------------|--|----------|----------------------|
| *p ^h aPč:e | <u>every time/equal, equivalent</u> | *ġ°ePč:a | <u>sickle</u> |
| *q ^h aPč:a | B <u>trail in forest</u> ; T (pa-) <u>far, separated</u> | *ġ°ePč:a | <u>window (šha-)</u> |

55. ċ

- *ċe -- B ċe/ʒe earth, land, ground.
 *ċa -- B ċa/ʒa bottom (of vessels).
 *ċeʔe -- B ċeʔe/ʒeʔ ditch.
 *ċe(n)da -- T ċenda/ʒeda peanut.
 *ċePċa -- T ċepċa/ʒepċa chernozem/rich soil.
 *ċePž'a -- T ċebž'a/ʒebža bumblebee.
 *ċeš:e -- B ċeš:e/ʒeš surveyor.
 *ċeʔa -- B ċeʔa/ʒeʔa (dry) land, ground.
 *ċePʔe -- T ċepʔe/... beet.
 *ċeg°e -- B ċeg°e/ʒeg° surface of the earth, territory.
 *ċex°a -- B ċefa/ʒex°a debt, loan.
 *ċeqa -- B T ċeʔa S ċeʔa cold (noun), cold weather. For the deglottalization in W.Circ. cf. *ċeq°e.
 *ċeqh°a -- B ċeqh°a/... badger, lit. earth-pig.
 *ċ(a)Pq°a -- B ċepa, ċāpa S ċep°a/ʒepa land, terrain, district, parcel.
 *ċaPċa -- T ċāpċa/... dark, dark grey, dark blue.

*g°eċe	<u>iron</u>	*Pxaċa	B <u>bottom</u>
*weċe	<u>open place at river-bank/to gape, open wide (mouth, hand)</u>	*q:°anċa	<u>jackdaw/rook</u>
*ʔaċa	<u>foundation, bottom</u>	*q°eċ(a)	<u>to cut, hew, trim</u>
*ʔaċa	<u>possessions, inventory of house</u>	*meċa	<u>precious stone (in ring)</u>
		*naċa	<u>hollow under eyes</u>

56. Pċ

- *Pċe -- B pċe/qa-pš to swarm (of bees), itr. (qa- hither).

- *wePċ(a) to ask

57. šh

- *šhəpha -- B šhəpha, q:a-šhəpha/šepa, qa-šep to collect, pick up one by one, (in)tr., K also to peck (*q:a- hither); K xa-šepə-k to choose, pick out (xa- mass, group, -k out of).
 *šhəPla -- B šhəbla/šəbla thunder/lightning (originally name of the god of thunderstorms).
 *šhəg°e -- B šhəg°e/šeg° mountain top, top part/plateau, surface.
 *šhəthə -- B šhāthə/... to try out, check.
 *šhə(n)gə -- B šhə(n)ʒ'e/šag stack, rick (round, cf. *ħa(n)ʒ°a).
 *šhəke -- B šhāč'e/šak cloth, textile.

*š^ha^pša -- B š^hapša/šāpša measure, size, example. Cf. *š^hat^ha; note the formal-semantic similarity to *š:ə.

58. š:

*š:ə -- B š:ə/šə to measure (space), tr.
 *š:(a) -- B š:a/ša-š to ripen, to become soft (as cheese)/to cause to id.
 *š:a -- B š:a/ša raw internal fat.
 *š:a -- B ya-š:a/ya-ša to be after stg., hunt, fish.
 *š:əq:ə -- B š:əq:ə/ḥāq^o-šēq^o vessels, plates and dishes (no separate meaning for ḥāq^o, which can also be added in W. Circ.: B ḥāq:ə-, T ḥāq^o-).
 *š:əna -- B š:əna/... moist.
 *š:aš:a -- B t^hya-ša-š:aš:a-n/... to pour (dry substances) onto t^hya- stg. with a rustling sound.
 *š:ak^oa -- B š:āk^oa/šāk^oa hunter; to hunt, itr.
 *š:anə -- B š:anə/šan character/manners (cf? Tu šān glory, honor).

*čēš:ə	<u>surveyor</u>	*š:aš:a	<u>to make a rustling sound</u>
*laš:ə	<u>strong</u>	*k ^h əaš:a	B <u>tussock, clump; to put out side-shoots</u>
*q ^o ēš:ə	<u>smart, intelligent</u>	*qāš:a	<u>tool, weapon</u>
*(P)ğ ^o ēš:ə	See (P)ğ ^o e(P)š:ə	*maš:a	<u>hole, hollow</u>
*š ^o aš:(a)	<u>outfit, costume; be fitting;</u> K also <u>to adorn, equip (ša-)</u>	*naš:a	<u>melon/cucumber</u>

59. Pš:

*Pš:(a) -- B pš:a T pše/pše to creep, itr.
 *Pš:(a) -- B pš:a/pše to knead, tr., cf? also K xa-pša-n to put into (a mass xa-).
 *Pš:at^ha -- T pšāta/pšāta tanning solution, T also to be tanned. The reconstruction *Pš: is based on the absence of examples of *Pš^h and is therefore not absolutely certain.

*(P)ğ^oe(P)š:ə millet-straw *ğ^oePš:a to be forgotten

60. ž

*ž(a) -- B že/qā-ž to vomit (qā- hither), T q^oā-ža to vomit in a corner q^oa-.
 *ža -- B ža/ža mouth, jaws, lower jaw.
 *ža -- B la-g^oā-n-ža/la-g^oā-ža knee (B ž automatic after n): la leg, g^oa uncertain. Cf? *žapq:ə chin, steep hill. In view of *ža referring to the lower jaw, the homonymy of IE *g^oenu- (n.) knee and *g^oenu- (f.) chin is worthy of note.

- *ža -- B ža/ʔaža sleigh, sledge, T also ʔāža children's sled.
 *ža -- B ya-ža/ya-ža to wait, expect, itr.
 *žanta -- T žānta/žānta place of honor (away from door, near hearth).
 *žala -- T žāla/... gills of fish.
 *žaka -- B žāč'a/žāka beard.
 *žapq:ə -- B žapq:ə/žapq chin, B also steep hill.
 *ža(r)χ°e -- T žaχ°e/žaχ°, žareχ° chatterbox/coarse; boor.
 *žağ°e -- T žağ°e/žağ° chin/base of lower jaw.
 *žağ°e -- T žağ°e/žağ° foot of mountain.

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|-------|---------------------|-------|---------------------------------|
| *weže | <u>tracks</u> | *qāža | T <u>to hold back, restrain</u> |
| *qāža | <u>sleigh, sled</u> | | |

61. Pž

- *Pže -- B bže/... vine, liana. Cf. *Pžala
 *Pža -- B bža/bža span (measure), also B bžeyz/bžeyz, K ʔadaqā-bža (ʔadaqā top of hand-palm).
 *Pžebe -- T bžebe/ʔa-bžeb cupped hand, handful (ʔa hand), K also ʔa-bžeg°.
 *Pžeža -- B bžeža/bžeža flea.
 *Pžeña -- B bžeña/bžeña autumn, Š winter.
 *Pžeme -- T bžeme/... fist.
 *Pžala -- B bžāla/... liana.
 *Pžama -- T bžāma/... bunch (prob. handful) of hemp for spinning.

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|---------|---|---------|---|
| *š°aPže | <u>blow, stroke/maiming, mutilation</u> | | <u>portant</u> |
| *g°ePže | <u>(to be) angry</u> | *k°ePža | <u>ring of twigs for tying stakes of wattle</u> |
| *x°aPža | <u>strongly/quick, strong, im-</u> | | |

62. λ

- *λe -- B λe/λe blood.
 *λ(a) -- B λe/λe to lie, be in lying position (only w. local prefixes), K pe-λ to hang (pe- tip), T ze-š'-ya-λa he puts it on (clothing) (ze- oneself, š'- location), T pe-λa to hang.
 *λ(a) -- B λe/λe to whet, sharpen, T pe-λa to sharpen (e.g. the point of a needle), K λa-ps water pse used in tempering metals, sharpening scythes.
 *λ(a) -- B λe/λe to fall upon, jump upon, itr., B λa/λa to jump.
 *λa -- B λa/λa foot, leg.
 *λa -- B -λa/-λa vessel, container; surface (of the earth), K λa place, a form without a in *Txēλe.
 *λet^ha -- B λet^ha/λeta to count, to consider, tr.

- *ləpča -- .../ləpča clot of blood.
- *ləntx^oa -- B ləntfa/ləntx^oa artery. < *lə-n-x^oa lit. blood-sinew.
- *ləx^o(a) -- B ləx^o(a)/ləx^o(a) to look for, (in)tr. In part of the forms lə- is treated as the separable prefix after.
- *wələye -- T wələye/wələy to rust.
- *ləna -- T ləna/ləna birds' fat.
- *ləre -- T ʃ^oa-ləre/fa-lər strip of skin, T also belt (*ʃ^oa skin).
- *ləbe -- B ləbe/... butt of rifle, T also heel.
- *ləmbə -- .../ləmb footprint.
- *ləpč^oa -- B lāpča ʃ lāpč^oa/lāpča dear, expensive, precious.
- *lət^h(a) -- B lāt^ha/lāta to bounce, jump/to fly, B zə-ʃ^hʼe-late/ʃe-lat to jump up (zə- oneself, *ʃ^hʼe- location), T xa-late to fall, jump out of (a mass xa-).
- *lət^ha -- B lāt^ha/lāta rennet (used to curdle milk), K also stomach.
- *ləda -- B xa-lāda/xa-lāda to run, rush into (a mass xa-).
- *ləpča -- B lāpča ʃ lāpča/lāpča barefoot, K also lāmča.
- *ləse -- B lase/las on foot, unmounted.
- *las(a) -- B lase/las to wash, rinse, to card (flax), tr., K lāsa id. itr.
- *ləpse -- T lapse/laps leather strap for tying up shoes, shoelace.
- *ləpsa -- T lāpsa/lāpsa root, foundation, reason/homeland.
- *ləpza -- .../lābza mark on feet of domestic birds.
- *ləpše -- T lapše/lapš god of the smiths.
- *ləpša -- B lāpša/lāpša ankle.
- *ləpža -- B lābža/lābža hoof, claw/root, foundation.
- *laš^o(a) -- B laš^oe/laf to pull, drag, T tya-lāš^oa/tay-lāfa to pull stg. on or over *t^hya- stg.
- *laš^oa -- B lāš^oa/lāfa harrow. Prob. identical w. preceding.
- *laš^oa -- T lāz^oa/... to be late, overdue. Cf. *g^oež^oa.
- *laš^hʼa -- B lāš^hʼa/lāša lame, K also with crooked legs.
- *ləmežʼe -- T ləmežʼe/ləmež bridge. With *lə foot, *-žʼe uncertain, -mə- may either be the negative morpheme or a syllabified connective.
- *laš^ʰʼe -- B lač^ʰʼe/laš to rub off, clean.
- *ləča -- B lāča/lāša foundation, bottom.
- *ləča -- T lāča/lāša property, possessions, inventory of house.
- *laš:e -- B laš:e/laš strong.
- *ləλ(a) -- B lāla/lāla to fall apart, B za-pq:ə-rə-lalə/zapqərəlal id. (*za-pq:ə-rə- structured whole), K xa-ğa-lāla, -lal to strew, pour into, resp. out of (a mass xa-).
- *lək^he -- .../lək strong, firm, staunch (of person), ʔak-lak thickset, strong (containing ʔa arm, la leg and an unclear element).
- *ləga -- .../lāga short, low (of vegetation).
- *ləke -- T lač^ʰʼe/la-k force; to be able to/to be able to (K la- prefix, cf. la-mə-k to be unable to).
- *ləxa -- .../lāxa domicile, district.

- *laġa -- B lāġa/lāġa high.
 *lak°a -- T lāk°a/lāg°a low (esp. of vegetation), K also short-legged.
 *lag°e -- B lag°e/lag° footsole, floor, valley, T wē-lag°e to trample.
 *lak°a -- T lāk°a/lāk°a grinder, sharpener of tools.
 *lax°e -- .../lax° feather-grass.
 *lapq°e -- B lapq°e/lapq° clan, tribe, kind, sort.
 *laġa -- B lāġa/lāġa hobble; to hobble, S pse-lāġa whirlpool (pse water).
 *laq°a -- B lāq°a/lāq°a leg.
 *laq°(a) -- B lāq°a, ya-lāq°e/lāq°a, ya-lāq° to request, B K lāq°a request.
 *laġ°e -- B laġ°e/laġ° fetters.
 *laġ°e -- T laġ°e/laġ° trot.
 *lantġ°(a) -- T lantġ°e/pġa-lāntġ°a loose filaments/pole with branches for hanging up utensils, T lantġ°a-ye/lantġ°-ey combings, flocks/branch of creeping or winding plant (pġa wood, -ye formative).
 *laġ°(a) -- B laġ°e/lāġ° to see, T ġa-laġ°a-n/ġa-lāġ°a to show.
 *laġ°a -- B lāġ°a/lāġ°a path, track, trail.
 *laña -- S lāña/... rivulet.
 *laya -- B lāya/lay woollen gaiters.
 *laya -- T lāya/lay to move in jumps (e.g. gallop), T ġa-lāya to lift up, B lāya to go to roost.
 *lawā -- B lāwa/lāwa scalpel for blood-letting.
 *lana -- T tġa-lāna/tġa-lāna oath (tġa god).

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|---------------------------|--|------------------|---|
| * <u>bēle</u> | T <u>to be hidden</u> | * <u>š°ala</u> | <u>vessel, cup</u> |
| * <u>tēle</u> | <u>to lie down</u> | * <u>š°ala</u> | <u>front legs of horse, cattle, K also hoof</u> |
| * <u>š°ele</u> | B <u>to suck</u> | * <u>čēla</u> | <u>(dry) land, ground</u> |
| * <u>txēle</u> | <u>letter (epistle), book</u> | * <u>Pš°ala</u> | <u>container for measuring dry substances</u> |
| * <u>g°ele</u> | B <u>a marsh plant</u> , T <u>a kind of grass, tuft of maize</u> | * <u>laλ(a)</u> | <u>to fall apart</u> |
| * <u>q°ele</u> | K (bot.) <u>vjazel' pēstryj</u> | * <u>šxala</u> | <u>manger</u> |
| * <u>ġ°ale</u> | <u>to lie down</u> | * <u>Pġēla</u> | <u>mountainous</u> |
| * <u>p^hala</u> | <u>as if, standing for</u> | * <u>x°ela</u> | K <u>crop of bird</u> |
| * <u>lq°ala</u> | <u>time, term, K also habit</u> | * <u>qala</u> | <u>gloves, mitts</u> |
| * <u>t:ala</u> | <u>to splash; shake (fist), rattle (sabre) (ġa-)</u> | * <u>q(a)nla</u> | <u>trough</u> |
| * <u>ca(n)la</u> | <u>to slip</u> | * <u>q°ala</u> | <u>to be turbulent/to boil</u> |
| * <u>psela</u> | <u>flask, K also marshy land</u> | * <u>tx°ela</u> | <u>butter-dish</u> |
| * <u>psala</u> | <u>word, speech</u> | * <u>h(a)la</u> | <u>burden, heavy, difficult</u> |
| * <u>zala</u> | <u>to get wrinkled (skin), K also to wither</u> | * <u>wala</u> | B <u>to totter</u> , T <u>to undulate</u> |
| * <u>Pzala</u> | T <u>round basket used as form for cheese</u> | * <u>nala</u> | <u>single hair/fibre, filament</u> |

63. Pλ

- *Pλe -- B pλe/pλe to blaze, get hot, itr.
 Pλe -- B pλe-ž'e/pλe-ž red (-ž'e -colored).
 *Pλ(a) -- B pλa, ya-pλe/pλa, ya-pλ to look, resp. to look at, itr.
 *Pλeze -- T pλeze/pλez to stare rigidly (of person lost in thought).
 *Pλeš°a -- B pλeš°a/pλefa appearance/quality.
 *Pλež'e -- B pλež'e/pλež red.
 *Pλeq:°a -- T pλeq°a ŠM pλeq°a/... to cool off.
 *wepλak°e -- T wepλak°e/... to check up on, tr.
 *Pλaχ°e -- T ġa-pλaχ°e/... to mislead sb., give wrong information.

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|------------------------|--------------------------|-------------|----------------------------------|
| *p ^h aPλe | <u>red-nosed</u> | *Tχ°aPλe B | <u>red-haired</u> |
| *'caPλe | T <u>red-haired</u> | *ñaPλe | <u>brown</u> |
| *Pč ^h 'aPλe | <u>twilight</u> | *'cePλ(a) K | <u>brown (of horse), scarlet</u> |
| *'cePλe | T <u>beet</u> | *q°ePλa | <u>glance, look</u> |
| *k ^h °ePλe | <u>brick-red, orange</u> | *ġ°aPλ(a) | <u>copper-red, red copper</u> |

64. 1

- *le -- B le/le meat, flesh, body.
 *le -- B le/le to burn, itr.
 *l(a) -- T q-ya-le/q°-ay-l to be left over, survive (*q:- hither), T mafa-le/max°a-l a long time/an extra (superfluous) day (*max°a day), T λa°ā-la asking constantly, λapawā-la to stumble all the time. Cf. also *leya.
 *la -- B la/la to dye, paint, itr. and tr. (B tr. also ġā-la).
 *la -- B -la/-la finger's breadth, cf. *zala, *Tq°ala, etc.
 *lēp^ē -- .../lēp^ē to be pressed, squeezed.
 *lēpa -- T ġa-lēpa to fry, grill slightly.
 *le(n)de -- B lede/le(n)d to shine, glitter.
 *lēc^he -- .../lēc moss (T pχace).
 *le(n)č(a) -- B ġa-lēča/ġa-le(n)č to scorch, B lēča to be scorched.
 *lēpča -- T lēpča/lēpča flesh.
 *lēš°ča -- T lēpča Š λeš°ta/... birthmark. The Š form with λe blood instead of le flesh is secondary, cf. K hana-l birthmark (hana mother).
 *lēse -- B lese/... cotton plug (in wound).
 *lēPž'(a) -- B lēbž'e T lēbž'a/lēbža to fry, K also national meat-dish, B le-lēbž'e (T -bž'a)/le-lēbža dish of fried meat, K leġ°a-lēbža meat-dishes.
 *lēge -- See *gele.
 *lēga -- .../lēga thin, scrawny.
 *lēğa -- B leğa/leğa forest-fire, steppe-fire.

- *ləḡ^oa -- B ləḡ^oa/ləḡ^oa to be singed.
 *ləya -- B ləya/lay superfluous; harm.
 *labə -- T ḡa-labə/... to moisten
 *lanSt^ha -- B lanest^ha/lanesta scissors.
 *lande -- T landə/... pike (zool.).
 *lanta -- B lānta/lānta elastic, supple.
 *laPse -- B lapse/laps bouillon, meat-broth.
 *welāṣa -- B welāṣa/... to pound, crush.
 *laž'(a) -- B lāž'a/lāža to work, itr.; to wear out (of clothes), itr.; work, misery, fault, T laž'e/laz to work at stg., tr.
 *la(n)č^ha -- See*Planč^ha.
 *la(n)la -- B lāla T lānla/lāla weak, loose, shaky, dangling, K also wilted.
 *laŠka -- .../lāška slivver, splinter.
 *lak^oa -- .../lāk^oa painter.
 *welax^oa -- .../welāx^oa rate of pay, salary.
 *lanTḡe -- T tya-ḡa-lantḡe/... to tear off (tya- surface).
 *laḡa -- T lāḡa/... plate, dish (container).
 *laḡ^oe -- B laḡ^oe/... person of the same age.
 *l(a)rḡ^oe -- T lerḡ^oe-ṛe/lareḡ^o callosity, corn (ṛe old).
 *lawe -- T lawe/law pig, piglet.
 *welawe -- T welawe/... to get tired.

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|-----------------------|-------------------------------------|------------------------|---|
| *ph ^h ele | <u>elephant</u> | *č:ela | <u>seeds, stone of fruit</u> |
| *(P)c:ale | <u>willow</u> | *ž'ala | <u>withers (of horse)</u> |
| *šale | T <u>with good harvest, S rainy</u> | *č'ala | <u>youth, young man, boy</u> |
| *ž'ele | <u>12-year animal cycle</u> | *žala | <u>gills of fish</u> |
| *k ^h (a)le | <u>hut</u> | *Pžala | B <u>liana</u> |
| *gele | <u>(to feel) ticklish</u> | *la(n)la | <u>weak, shaky, dangling, K also wilted</u> |
| *kele | K <u>tickling, to be tickled</u> | *gal(a) | <u>to slip/to (slip and) fall</u> |
| *Šx ^o ale | <u>udder</u> | *x ^o a(n)la | <u>to wither, wilt, fade</u> |
| *qale | <u>wild (of animals)</u> | *q:ala | <u>town</u> |
| *šhale | <u>mill</u> | *q ^h oela | K <u>thick sediment, dregs</u> |
| *mele | <u>ice</u> | *q ^h oela | B <u>stalks and leaves (of melons, potatoes, beets, etc.)</u> |
| *male | <u>sheep</u> | *q:ala | <u>raven/crow</u> |
| *Tq ^o ala | <u>breadth of two fingers</u> | *q ^o ela | <u>to be fooled/to be seduced</u> |
| *cala | <u>to smear</u> | *ḡ'amela | <u>food taken on trip</u> |
| *zala | <u>breadth of one finger</u> | *ḡ ^o a(n)la | <u>to wither (of plants)</u> |
| *č ^h 'ela | <u>raw silk</u> | *ḡala | <u>wedge</u> |
| *č ^h 'ela | <u>middle (of summer, winter)</u> | *Thala | <u>to stifle, smother</u> |
| *č:ela | <u>(population of) village</u> | *wala | K <u>cloud</u> |

65. Pl

- *Pl(a) -- B bl(a)/bl(a) seven (times)
- *Pl(a) -- B bl(a)/bla to thread on a string, to plait, braid, (in)tr.
(in K both bla).
- *Pla -- B bla/bla snake.
- *Pla -- B bla/bla upper arm and shoulder.
- *Pla -- B bla/bla to burn, shine, itr.
- *PləPq:ə -- B bləpɤ:ə/bləpɤ shoulder-joint.
- *Pləne -- B bləne/blən corner (T back wall)/wall.
- *(P)la(n)č^ha -- T lānča/blāša maple (T affricate preserved after n).
- *PlaPlə -- .../pe-blabl to hang in large numbers (of fruit) (pe- tip).
- *Pl(a)g^oe -- B bləg^oe/bləg^o, blag^oe-ša armpit (ša bottom).
- *PlanTxa -- T blāntxa/... shoulder with leg (of animal). Cf. *Plat^ha).
- *Plağa -- B blāğa/blāğa near; close (relative, friend).
- *Plağa -- B blāğa/... bead.
- *Plağ^oe -- B blağ^oe/blağ^o shoulder-blade.
- *Plağ^oa -- B blağ^oa/blağ^oa dragon, K also crocodile.
- *Plat^ha -- .../blāt^ha collarbone, shoulder-blade, shoulder with leg (of animal). Cf. *PlanTxa.
- *Plaš^ha -- .../blāš^ha part of room opposite door. Cf. *p^haš^ha.
- *Plana -- B blāna/blāna doe.
- *Plana -- B blāna/blāna energetic, brave/strong.

- | | | | |
|-----------------------|--|----------------------|--|
| *PlaPlə | K <u>to hang in large numbers (of fruit)</u> | *q ^h aPla | <u>arm, forearm</u> |
| *Pq ^o aPla | B <u>mat made of rushes</u> | *Pxa(m)Pla | <u>stretcher for carrying dead to cemetery</u> |
| *šəPla | <u>thunder/lightning</u> | *ğəPla | <u>hunger, famine, K also crop failure</u> |
| *kaPla | K <u>sap of the nut tree</u> | *haPla | <u>quarter of village</u> |
| *q ^h aPla | K <u>stretcher for carrying dead to cemetery</u> | *haPla | š <u>a kind of wheat</u> |
| *q:(a)Pla | <u>south</u> | *wePla | <u>to begin</u> |

66. l

- *lə -- B lə/lə man, husband.
- *l(a) -- B lə/lə to stifle to death, tr., B la/la to die, itr.
- *la -- B la/la to fade, wither.
- *lək^hə -- B lək^hə/lək^o middle-aged.
- *lək^oa -- B lək^oa/lək^oa messenger.
- *ləs^h(a) -- B ləša/ləša hired farm-laborer, K q^ha-ləš to earn as id., tr.
- *ləs^h(a) -- T laša-ğ^oe/lašə-ğ^oa century (cf. -ğ^oa time, term).
- *l(a)la -- B ya-ləla/ya-lāla to sweat at stg., be engaged in work requiring

great effort and concentration.

*laq:°a -- T laq°a/laq°a clan/sworn brother, T laq°a-laš/laq°a-laš nobleman/privileged class.

*Pš:°ələ	<u>serf, slave</u>	*q°əł(a)	<u>to tack, stitch, rivet</u>
*ł(a)ła	<u>to sweat at, make effort in</u>	*x°əła	<u>to succeed, come off, T</u> <u>to happen to sb.</u>
*x°əła	<u>to impel, induce</u>		

67. Pł

*Pł(a) -- B pł(a)/pł(a) four (times).
 *Pła -- B pła/pła upper back, shoulder, B also withers.
 *Pła -- T pła/płāpła to deteriorate in storage/to lounge, sprawl.
 *PłāPse -- T płapse/płaps shoulder-strap, -belt.
 *wəPła(n)č'(a) -- T wəpłā(n)č'(a)/wəpłānša to fold in four, tr.
 *wəPłāPłə -- T wəpłapłə/... to flatten, hammer flat.
 *Płāq°ə -- B pła°ə/... upper back, shoulders.

*wəPłāPłə	T <u>to flatten, hammer flat</u>	*ğaPła	T <u>to (com)press, to iron.</u>
*qāPła	<u>embrace</u> , K also <u>armful</u>		

68. k^h

*k^hə -- B č^h°ə/kə brushwood, twig.
 *k^hə -- .../kə to step, itr. and tr.
 *k^hə -- B č^h°ə/kə to pull, tear out, off, tr. (only w. local prefixes).
 *k^ha -- B č^h°a/ka spleen.
 *k^ha -- B č^h°a/ka to burst, crack (as glass, ice), itr.
 *k^həmp^ha -- .../kəmpa twig, dry branch.
 *k^hənt^hə -- .../kent (ethnic name in Mart epos).
 *k^həsa -- T č°esa/kəsa pouch (Tu kese).
 *k^həPža -- B č^h°əbža/kəbža ring of twigs for tying stakes of wattle.
 *k^həx°ə -- .../kəx° dry twigs.
 *k^həyə -- B č^h°əyə/kəyə wattle made of supple branches.
 *k^həya -- B č^h°əya/kəya tub (T pša-č°aye id. (pša wood) points to *k^haye; the K form can continue either).
 *k^həne -- T č°ənə/kən top (spinning toy).
 *k^həthə -- B č^h°at^hə/kat sheep-shed.
 *k^h(a)čə -- B č^h°ačə/kəč kid, young goat (cf? Tu keçi; the compound B law-č^h°ačə animal (law pig) speaks against borrowing).
 *k^hənž°ə -- T č°anž°ə/kanž shallow (B irregularly š^h°anž°ə).
 *k^h(a)lə -- T č°(a)lə/kəl hut.

- *k^hak^ha -- T č'áč'a-n/kāka to chirr, laugh derisively/to bleat, howl, shout.
- *k^hank^ha -- .../kanka palsy of cattle.
- *k^haT^hā -- T č'at^hā-n/kāt^hā to tear to shreds, tr.
- *k^haye -- See *k^heya.
- *k^hawe -- T č'awe/kaw wattle fencing; farmstead.
- *k^hame -- .../kam to be insufficient, lack, me-kame-w uninterruptedly
(me- negative element, -w modal case).

- | | | | |
|------------------------------------|------------------------------------|--------------------------------------|---|
| *č ^h ek ^h e | <u>castanets (p^hā-)</u> | *č ^h 'ak ^h (a) | <u>to weigh</u> |
| *č ^h 'ak ^h e | <u>suspicion, doubt</u> | *k ^h ak ^h a | <u>to chirr, laugh derisively/</u>
<u>bleat, howl, shout</u> |
| *č ^h 'ak ^h e | <u>to put up with, bear</u> | *k ^h ank ^h a | K <u>palsy of cattle</u> |
| *lak ^h e | K <u>strong, firm, staunch</u> | | |

69. k:

- *k:(a) -- B č:'(a)/... to turn, spin around, (in)tr. (tr. status of k:e not documented in material), T č'a-ra-zē-n, č'a-ra-č^he-n/ga-ra-z id., itr. (-ra- instrumental? ze cf? za turn). Relation to *g(a) and *k^hene unclear.
- *k:a -- T š'ene-č'a/šene-ga core of a boil *č^h'ene.
- *k:eye -- B č:'eye/gey (inside of) throat (antiquated in K).
- *k:ap:a -- B č:āp:a/gāba (lower) side, side (of body, hill, etc.), T wa-š^ha-č'āpa horizon (*waš^ha sky).
- *k:at^ha -- Š k:āt^ha/gāta sword. See Balkarov 1970:84; the B form with č^h'- (Kuipers 1963:69) is irregular.
- *k:at:e -- č:'at:e/gad chicken.

70. Pk:

- *haPk:e glass, window-pane

71. g

- *gē -- B ž'e/ye-ge now (ye- 3rd pers. possessive).
- *g(a) -- B ž'(a)/g(a) to twist, spin (thread), (in)tr.
- *g(a) -- B T ž'(a)/g(a) smooth, polished (only in compounds), cf. *gēg(a), *gēya, *gaš^ha.
- *g(a) -- B ž'e/ge to read/to study, B ž'a/ga to call, announce, with *ya- also to read.
- *ga -- B -ž'a/-ga bad, insufficient, lacking, cf. *Pzaga, *lēga, etc. Cf. *ya bad.
- *gele -- B lēž'e/gel (to feel) ticklish, K gel-kel id. (prob. inversion in B); T čele means exaggeration, pretense. Cf. *kele.
- *gēg(a) -- T mel-ž'ež'ewe/gēga clear, shiny ice mel/to be polished, shine.
- *geña -- B ž'añe š gāñe/... to weed with a hoe.

- *geya -- .../mēl-gay smooth ice (mēl ice).
 *gaṣ°(a) -- B ʒ̣'āṣ°a/gāfa smooth, T wəʒ̣'āṣ°e/wəgaf to rub smooth, itr. and tr./to bare, tr.; to become smooth, itr.
 *ga^(r/n)č^h'e -- B ʒ̣'anč^h'e/ga(r)š bean, pea.
 *gal(a) -- B ʒ̣'āla/gāla to slip/to (slip and) fall, K xa-gal to fall out of (xa- a mass, group). Cf. T ʒ̣'ande to (slip and) fall (e.g. of a horse).
 *gag°e -- B ʒ̣'ag°e/gag° to play; game(s).
 *gax°e -- T ʒ̣'afe/gax° tow-haired.
 *gaya -- B ʒ̣'aya/gay sheat-fish (large catfish)/whale.
 *gana -- B ʒ̣'ana/gāna shirt.

- | | | | |
|-------------------------|-------------------------------------|--------------------------|--------------------------------------|
| *bage | <u>spider</u> | *č ^h 'aga | <u>noon, dinner-time</u> (*-ḡ°a) |
| *t ^h age | <u>to stand up, rise</u> | *λaga | K <u>short, low (of plants)</u> |
| *dege | <u>bitter, sour, sharp-tasting</u> | *lega | K <u>thin, scrawny</u> |
| *sege | <u>hump, crest; anvil</u> | *gega | <u>to be polished, shine</u> |
| *š ^h ange | <u>stack, rick</u> | *qaga | <u>handful, many</u> |
| *lege | See *gele | *xega | K <u>girl (-bz)</u> |
| *wege | <u>round dance with singing</u> | *ḡ°e ^(r/n) ga | <u>mirror</u> |
| *p ^h eg(a) | <u>to butt, gore</u> | *weThaga | K <u>to entreat, make complaints</u> |
| *za ^r /ng(a) | <u>berries of the snowball tree</u> | *neg(a) | <u>floodlands, water-meadow</u> |
| *Pzaga | <u>evil; to make mischief</u> | *nag(a) | <u>bad, evil; to disfigure</u> |
| *ṣ°aga | <u>luckless/ugly, unattractive</u> | | |

72. k̥

- *k̥e -- B č̣'e/k̥e handle, haft (of implement, axe, knife).
 *k̥e -- B č̣'e/k̥e to come or go out of stg. (only w. local prefixes), T bla-č̣'e/bla-k̥ to pass by (*bla- past, by).
 *k̥e -- B š^h'e-č̣'e/ṣ̣e-k̥ to give oneself airs (*š^h'e- location). To preceding item, cf. T ṣ̣°am yeč̣'en id., lit. to go out of one's skin.
 *k̥e -- T λa-č̣'e/λa-k̥ to be able to, tr./itr., T λač̣'e force, power. In T, λa- belongs to the stem (hə-λač̣'e-ḡ he was able to), in K it is a prefix (λa-mə-k̥e-n to be unable to).
 *k̥(a) -- B č̣'e/k̥e to come out, bud, grow, T pə-č̣'a/pə-k̥a to grow at the end of stg., T qə-pə-č̣'a/qə-pə-k̥a to carry fruit, itr. (*p^he- tip, *q̣:e- hither).
 *ka -- B č̣'a/ka tail, back, end (of space, time), in compounds egg; manner, way.
 *ka -- B č̣'a SM ka/... seeds.
 *ka -- B ye-č̣'a/ye-ka to pour in, tr. (ye- hollow, container, etc.).
 *ket^ha -- T č̣'eta/keta malt, T also to become soft, to swell.
 *weket^ha -- T weč̣'eta/wəketa shame.
 *kesa -- T č̣'esa/... to sprout, shoot (of plant). Cf. *k̥(a).

- *kəš^oə -- B č'əš^oə/kəf dark(ness). B also š^oənc'ə.
- *kəš^hə -- B č'əš^hə/kəš smithy.
- *kəž'ə -- See *Pkəž'ə.
- *kələ -- .../kəl tickling, to be tickled. Cf. *gələ.
- *kə(r)gə -- B č'ərgə/kəg to squeak, creak (B č'ərg-č'ərg expresses the sound, e.g., of creaking shoes). Cf. *dərgə.
- *kəh(a) -- B č'āhə T č'əha/kəh long.
- *kəyə -- B č'əyə/kəy to shriek, howl.
- *kərə -- B č'ərə/kər thick, dense (of wool, beard, etc.), long (of hair), high (of grass). Cf. *k(a).
- *kap^ha -- B č'āp^ha/kāpa fatty sheeptail, kurdyuk.
- *kant(a) -- .../kant to be exhausted, pse-kānta creek, rivulet, small remains of water (of flood or dried-up river) (pse water), T č'ante-^oə/kante-^o small of the back.
- *kaPc:(a) -- B č'āpc:a/kabʒ thigh (of animal), leg (of bird).
- *kače -- T č'acə/kac to lay eggs, itr., K also to be very afraid. Cf. *č(a).
- *kaPča -- T č'āpča/kāpča lower abdomen/stomach.
- *kase -- T č'ase/kas prisoner of war (formerly put on horseback behind his captor).
- *kasa -- B č'āsa/kāsa late.
- *kaPse -- S kapse/Be čə-kaps croup (of horse) (čə horse).
- *kaPsa -- B č'āpsa/kāpsa string, rope.
- *kaš^oa -- S kās^oa/... ceiling.
- *kač'ə -- T č'ac'ə/kāš short (T of time only).
- *wəkaPč'ə -- See *wəPkaPč'ə.
- *kaPla -- .../kābla sap of the nut-tree.
- *kaka -- .../kāka to chirp.
- *kanka -- T č'ānc'a/-ka egg.
- *kaxa -- T č'āxa/kāxa lower (region)/Western Circassian.
- *kaPxa -- T kāpxa/... splint, S skirt.
- *kak:^oa -- B č'āk:^oa/kāg^oa dock-tailed; short (rope, stick, coat, etc.).
- *kax^oə -- .../kax^o dawn.
- *kaPxe -- B č'āpxe/kapx squirrel.
- *kanTxe -- .../kantx remains, sediment on bottom.
- *kašx(a) -- .../kāšxa poor, meagre, scanty, meva-kāšx gravel (meva stone).
- *kağa -- .../kāğa fog.
- *kaq^hə -- .../kāq^o cock of gun (also kāq).
- *kağ^oa -- See *Pkağ^oa.
- *kayə -- T č'āyə SM kayə/... valley, SM stream.
- *kaya -- T č'āyə/kay ash-tree (T -ə irregular).
- *kane -- B č'āne/kan knucklebone (used in bone game).
- *kana -- .../kāna piece, lump.

*Pq°a(n)kə	to crackle, puff, K also <u>flock, tuft</u>	*p ^h aka	<u>stretch, interval, zone</u>
*sake	to castrate	*c:aka	<u>edge</u>
*š°enke	<u>dark</u>	*caka	<u>nit</u>
*č°ake	to break off	*šaka	<u>weeds, K also chaff</u>
*š ^h ake	to give oneself airs, K also to be surfeited	*žaka	<u>beard</u>
*š ^h ake	<u>cloth, textile</u>	*kaka	K to chirp
*lake	to be able, T also <u>force</u>	*kanka	<u>egg</u>
*k°ake	to change, get spoiled	*g°emka	See *g°e ^m /Pka
*q°enke	<u>lock, key (-bza)</u>	*P ^x ank(a)	to sweep
*x°(a)kə	to get damaged by rubbing	*g°eka	<u>blacksmith</u>
*x°ake	to (ex)change	*naka	K hiccup
*g°e(r)kə	T Š <u>severe frost</u>	*namka	<u>gallop</u>
*weke	to kill	*Thaka	K brim of hat
		*naka	<u>wink/outer corner of eye</u>

73. Pk

- * (P)kə -- T pč°e-ž°e/tay-kə-ž to fade (of fabrics) (tay- surface, -ž°e/-ž back, again, as previously; for the correspondence ž°/ž see Kuipers 1963:79).
- *Pke -- T nālę°a-pč°e/pke dough-cutter/to cut dough (T nālę°a cheese patty).
- *Pk(a) -- T pč°e/pke to trample down, beat (a road), K also to stamp leather, to sharpen (a sickle); to jump, fly off (K lə-pk fly off the foot, as shoe), T pč°a Š pska/pka to jump, K also to trample (tay-pka), to shrink (xa-pka).
- *Pka -- .../pka loft, attic (K pka-lay ladder, stairs, cf. *laya). Cf? T č°aš°a attic.
- * (P)kəPxa -- B pč°epxa/kəpxa small toothed wheel for cutting dough.
- *we(P)kaPč°e -- T wəpč°apč°e/wəkapš to husk, peel, clean.
- *we(P)kaPč°a -- T ǵa-wəpč°apč°a-n SM wəkapča-n/... to button, fasten.
- * (P)kağ°a -- T pč°ag°ā-sa/kāğ°a, kağ°ā-sa soot.
- *Pkaya -- .../pkay maple. Cf. *kaya.
- * (P)kawa -- B pč°āwa/(p)kāwa grasshopper.

*g°e ^m /Pka	<u>back part of cart</u>	*na ^m /Pka	<u>gallop</u>
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74. Šk

(K šk after ā, and šk elsewhere, see Kuipers 1963:86).

- *Ška -- B ška/ška calf (up to one year old).
- *Ška -- .../qā-ska to flinch, wince, quiver (qā- hither).

*ška -- T -ška/-ska lump, chip, splinter, T pša-ʔ°əška-n/q°āška chips, kindlings (pša wood; the correspondence T ʔ°/q° is irregular), cf. also *qaška, *laška.

*laška	K <u>slivver, splinter</u>	*x°aška	K <u>spark</u>
*qaška	<u>lump, (snow)ball</u>	*maška	K <u>spark</u>

75. x

*xə -- B xə/xə sea.
 *xə -- B xə/xə to take out, off, away (only w. local prefixes).
 *xə -- T pə-xə/pə-x to file (pə- tip). Cf. preceding item.
 *xə -- B ya-xə/ya-x to go down, B da-xə/da-x to go aside.
 *x(a) -- B x(a)/x(a) six (times).
 *x(a) -- B x(a)/x(a) to reap, (in)tr.
 *x(a) -- T xə/... bottom, lower part (hə-x its id.), T -xa/-xa id., cf. *Psexa, *ʒ'axa, *kaxa.
 *xəq^h°a -- T xəq°a/xəq°a porpoise, lit. sea-pig.
 *xəya -- B xəya/xay innocent.
 *xəna -- T šhā-xəna/šha-xəna lazy (šha head).
 *xat:a -- B xāt:a/xāda kitchen-garden.
 *xasa -- B xāsa/xāsa council, conference, T also to discuss, consider.
 *xaPza -- B xābza/xābza usage, tradition, customary law.
 *xaš°a -- B xāš°a/... steppe. Cf. *(P)xaš°a.
 *xač^h'a -- T xāš'a/xāša spy, scout/informer, telltale.
 *xak^h°e -- B xak^h°e/xak° country, region.
 *xak°a -- B xāk°a/xāk°a reaper.
 *xak°a -- B xāk°a/xāk°a stallion.
 *xax°a -- T xāfa/xāx°a brave, T also sour (of fruit).
 *xaya -- S xāya/... a measure of millet (144 bundles).
 *x(a)ma -- B xəma T xāma/xāma foreign, unknown, stranger.

*bexe	S <u>to fall through (ice)</u>	sb. (p-ya-)	
*saxe	<u>bar, gate</u>	*šhaxe	<u>laziness, indolence</u>
*Psexe	<u>to dismount</u>	*wexe	<u>to finish</u>
*Pzaxe	<u>to disappear</u>	*waxe	<u>lowland, depression</u> (geogr.)
*šaxe	<u>quickly, soon</u>	*nexə	T <u>aspen</u>
*qexe	<u>to take, receive stg. from sb.</u>	*daxa	<u>beautiful</u>
*Pšaxe	<u>file (tool)</u>	*c:əxa	<u>frail, weak, without stamina</u>
*Pšaxe	<u>to open, uncover (a straw roof)</u>	*Psexa	T <u>lower reaches of river</u>
*g°axe	T <u>to carry to meet (towards)</u>	*ʒ'axa	<u>(surface of) floor in house</u> (-š°a)

*λaxa	K <u>domicile, district</u>	*q ^h axa	K <u>feeble</u>
*kaxa	<u>lower (region)/W. Circassian</u>	*max(a)	<u>to faint, be tired, worn out; weak, brittle</u>
*g ^o əxa	<u>soft-hearted, weak of character</u>	*naxa	Š <u>face</u>

76. Px

*Px(a)	-- B px(a)/px(a) <u>to card (wool), (in)tr.</u>
*Px(a)	-- B pxe/pxe <u>to tie up, bind, tr.</u> , B pxa/pxa <u>to tie up, bind, fasten</u> , B itr., K tr.
*Pxa	-- B pxa/pxa <u>back part.</u>
*Pxa	-- T -pxa/... habitual suffix, e.g. čeyā-pxa <u>sleepy-head</u> , cf. also *Š't ^h aPxa.
*Pxere	-- B pxere/pxer <u>sheaf, bunch.</u>
*(P)xaš ^o a	-- B xāš ^o a/pxāfa <u>stubble-field</u> . Cf. *xaš ^o a.
*Pxač ^o ə	-- B pxač ^o ə/pxaš <u>buttocks/croup, crupper.</u>
*Pxaŋ ^o ə	-- B pxaŋ ^o ə/pxanž <u>distorted, crooked, wrong.</u>
*Pxača	-- B pxāča/... <u>bottom.</u>

*Š't ^h aPxa	T <u>cowardly</u>	*q ^o əPxa	<u>apron</u>
*kaPxa	T <u>splint</u> , Š <u>skirt</u>		

77. Tx

*Txē	-- B txē/txē <u>backbone, spine.</u>
*Txē	-- T txē/... <u>height (geogr.)</u>
*Tx(a)	-- B tx(a)/tx(a) <u>to write, (in)tr.</u>
*Txep ^h a	-- T txepa/... <u>edge of elevation (geogr.)</u> . Cf. *Pzap ^h a.
*Txēda	-- B txēda/txēda <u>story, tale; instructive/history (Š to speak).</u>
*weTxē(n)ʒə	-- T wetxē(n)ʒə/... <u>to sift</u> . Prob. < *-n-zə.
*Txēča	-- B txēča/txēča <u>backbone, spine.</u>
*Txēč ^h a	-- T txēš'a/txēša <u>hunchbacked, with crooked back.</u>
*weTxēPč ^o ə	-- T wetxepč ^o ə/wetxepš <u>to shake out (as rug, blanket).</u>
*Txēlə	-- B txēlə/txəl <u>letter (epistle), book.</u>
*TxēTxē	-- T txetxē/txetx <u>to shake, tremble.</u>
*Txēñ(a)	-- .../txēñ <u>threading (of screw).</u>
*Txeye	-- Š txeye/... <u>to be frightened.</u>
*Txaq ^h ə	-- Š txāq ^o a, txāx ^o a/... <u>shady side of mountain.</u>
*Tx(a)wa	-- txāwa/txēwa <u>to kick (of horse).</u>

*sanTxē	<u>(stony) height (geogr.)</u>	*wež ^o enTxa	T <u>to spit</u>
*TxēTxē	<u>to shake, tremble</u>	*gātxa	<u>spring (season)</u>

*wəTx(a) to splash, splatter

78. Š'x

- *Š'xə -- B š'xə/dəñašx to laugh.
 *Š'x(a) -- B q:a-š'xə-n/qa-šxə-n to rain, K xa-šxa-n to rain into stg.
 *Š'xa -- B š'xa/šxa to glue, to put on a bandage (with a contracting ointment) in case of broken bones.
 *Š'xəPčə -- T š'xəpčə/... to smile.
 *Š'xəwə -- T š'xəwə/šxew sour milk (B has š'h'ewə).
 *Š'xaPšə -- B š'xapšə/šxaps glue, starch.

*haŠ'xə to laugh

*waŠ'xə rain

79. Šx

- *Šx(a) -- B šk:(a)/šx(a) to eat, (in)tr.
 *Šxed(a) -- B šxəda T id., ya-šxədə/šxəda to chide. (B šx irregular).
 *Šxala -- B šk:āla/šxāla manger.

*(P)š'ameŠxə spoon

*š'aŠxa to chew (as ruminant)

80. ġ

- *ġa -- B ġa/ġa scrotum, testicle.
 *ġə(r)zə -- B ġərzə/ġəz to moan, groan.
 *ġəPza -- See *PġəPza.
 *ġəč'ə -- T ġəč'ə/K dial. ġəš' to wash (laundry).
 *ġey(a) -- B ġeya T id., ya-ġəyē/ġay, ġeya to reproach, chide.
 *ġeya -- T ġeya/ġay dove-grey, T š'a-ġeya spotted (of cow) (š'a hide).
 *ġene -- B ġene/ġən (gun)powder, K also poison.
 *ġene -- S ġene/ġene-x^o cabbage/parsnip (-x^o white), T ġene-plə beet (-plə red), T š'anč'-ġene bean-sauce (š'anč'ə bean).

*baġə to swell

*p^haġa haughty

*č:əġə tree

*laġa high

*š'a(r)ġə to roar, howl, weep loudly

81. Pġ

- *Pġə -- B bġe/bġe waist, cf. also T č'aš'ə-bġe/žəšə-bġe midnight (*č:'a-š:'ə night).

- *Pġe -- B bġe/bġe height, mountain, steep bank, etc.
 *Pġ(a) -- B bġa, ya-bġe/bġa, ya-bġ to curse (sb.).
 *Pġe(n)ta -- T bġenta ß bġeta/bġenta ungirded.
 *(P)ġePza -- B bġebza/ġebza to curse (dissimilation in K).
 *Pġeġa -- T bġeġa/bġeġa mountainous.
 *Pġeq:°e -- B bġeq:°e/bġeq° cross-beam.
 *Pġeŝha -- B bġeŝha/bġeŝha top (of mountain), upper edge (of ravine).
 *Pġena -- T bġena/bġena to leave, desert.
 *Pġana -- B bġana/bġana sheaf/tie around sheaf.

- | | | | |
|----------------------|---|-------------|---|
| *p ^h aPġe | <u>bridge of nose</u> | *yaPġa | <u>fierce, nasty (e.g. dog),</u>
K also <u>brave</u> |
| *q ^h aPġa | T <u>wattle-made drying rack</u>
<u>for corn, etc.</u> | *na(r)Pġ(a) | <u>person</u> |
| *x°ePġa | T <u>(cattle) for breeding</u> | | |

82. k^ho

- *k^ho -- B k^ho/k^o core, middle.
 *k^ho -- T re-y-k^o-n/ya-k^o to dare, venture to.
 *k^ho -- B k^ho/k^o thigh.
 *k^ho -- B k^ho/k^o to stuff (as pillow), cork (bottle), pull stg. over
stg. (as garment) (only w. local prefixes).
 *k^ho^r/mbə -- B k^ho^rerbe T k^oembe/k^oemb hole, hollow, T pša-k^oerbe hollow in
neck (pša neck).
 *k^ho^{da} -- B k^ho^{da}/k^oda to fill up, cram, cork.
 *k^ho^{da} -- B k^ho^{da}/... petroleum, oil, cf? also ß k^oerda axle-grease,
which, however, may contain *k:°e cart.
 *k^ho^ē -- B k^ho^ē/k^oē marrow, K ŝha-k^oē brains (ŝha head).
 *k^ho^(r)sa -- T k^o(r)sa/k^osa stripe.
 *k^ho^Psa -- T k^oapsa/k^oapsa center, pivot.
 *k^ho^Pč[°](a) -- B k^ho^Pč[°]/k^oepša core, (soft) center, kernel.
 *k^ho^Plə -- B k^ho^Plə/k^oepł brick-red, orange.
 *k^ho^Pq:(a) -- B k^ho^Pq:(a)/k^oepda stone (of fruit).
 *k^ho^{eq}:°e -- .../k^oeq° crossbeam.
 *k^ho^(r)ğ^o(a) -- B k^ho^ğo^o T k^oerğ^oa/k^oēğ^oa yolk.
 *k^ho^{ewe} -- B k^ho^{ewe}/k^oew deep.
 *k^ho^{a(n)}də -- B k^ho^{and}e/k^oad much, many.
 *k^ho^{anda} -- B k^ho^ānda/... bush, shrub.
 *k^ho^{a(P)}sa -- T k^oāpsa/k^oasa beardless (Tu köse).
 *k^ho^{ač}°e -- B k^ho^{ač}°e/k^oaš lap (portion of body).
 *k^ho^{ač}h°e -- B k^ho^{aš}h°e/... to migrate (of nomads) (Tu köçmek, hence *č^h,
and not *š^h).
 *k^ho^{aš}:a -- B k^ho^āš:a/... tussock, one clump (of grass, etc.); to put out
side-shoots.

*k^ho^əye -- T k^oaye/k^oay (quarter of) settlement/community (Tu köy).

*t ^h erk ^h o ^ə	K <u>growth in animal organism</u>	*hak ^h o ^ə	<u>fireplace, oven</u>
*z ^o ak ^h o ^ə	<u>red-hot coals</u>	*çhak ^h o ^a	<u>honeycomb</u>
*lək ^h o ^ə	<u>middle-aged</u>	*q ^o ək ^h o ^a	<u>plug, spigot</u>
*xak ^h o ^ə	<u>country, region</u>	*Thak ^h o ^a B	<u>with short, flapping ears</u>
*Přak ^h o ^ə	<u>heart of tree/timber</u>	*mark ^h o ^a	<u>tapeworm</u>

83. k:^o

- *k:^oə -- B k:^oə/g^oə "arba", two-wheeled cart, vehicle.
- *k:^oa -- S k:^oa/... twig. Cf. *k:^oama.
- *k:^oa -- B -k:^oa/-g^oa truncated, cf. *k^hak:^oa, etc.
- *k:^oec:a -- B k:^oec:a/g^oəʒa spoke of wheel.
- *k:^oəʒa -- B k:^oəʒa/g^oəʒa cradle.
- *k:^oəʒ^oa -- B k:^oəʒ^oa/g^oəfa sidewall of cart.
- *k:^oə^m/Pka -- B k:^oəč^oa/g^oəmk^a, g^oəpk^a back part *k^a of cart.
- *k:^oəwa -- B k:^oəwa/g^oaw to shout.
- *k:^oart^h(a) -- T k^oarte/g^oārta a certain (solid) number/(large) herd.
- *k:^oac:ə -- B k:^oac:ə/g^oaʒ wheat.
- *k:^oaš:’ə -- B k:^oaš:’ə/g^oaʒ shelter for cart.
- *k:^oaš^oa -- B k:^oaš^oa/g^oaš^oa pitchfork.
- *k:^oama -- T k^oāma/g^oāna (small) branch, twig (prob. dissimilation in K).
- *k:^oanə -- B k:^oanə/g^oan covered granary made of wattle.

*p ^h ak: ^o a	<u>blunt</u>		also <u>short-legged</u>
*c:ak: ^o a	<u>blunt, dull</u>	*k ^h ak: ^o a	<u>dock-tailed; short</u>
*Pzak: ^o a	<u>dumb (without speech)</u>	*q: ^o ak: ^o a	<u>hornless/one-horned, one-eared, asymmetrical</u>
*lak: ^o a	<u>low (esp. of vegetation), K</u>		

84. g^o

- *g^oə -- B g^oə/g^oə heart.
- *g^oə -- B -g^oə/-g^o surface (of earth, sky, palm of hand, etc.).
- *g^o(a) -- B g^o(a)/g^oə to pound, husk (maize, millet, etc), B (in)tr., K itr. and tr.
- *g^oa -- T g^oa/... to fill, stuff, cram.
- *g^oəp^ha -- B g^oəp^ha/g^oəpa front surface, front part, T also face, breast.
- *g^oəde -- B g^oəde/g^oəd vulva.
- *g^oəsa -- T g^oəsa/zə-ğə-g^oəsa to take offense (zə- oneself).
- *g^oəPsa -- T g^oəpsa/g^oəpsa beloved; kind, good/cordial.

- *g^oeze -- T g^oeze/... anger, malice, old grudge, cf. also T g^oeña-g^oeze old grudge.
- *g^oeş^oa -- S g^oeş^oa/... glade.
- *g^oeş^oa -- B g^oeş^oa/g^oeva to be late. Cf. *laz^oa.
- *g^oeş^oa -- B g^oeş^oa/g^oefa to be glad.
- *g^oePč: 'a -- B g^oepč: 'a/... middle, center, circle. Cf. *Pč: 'ag^oe.
- *g^oePč' a -- B g^oepč' a/... having a good memory. Cf. *q^oePč' a.
- *g^oeš: 'a -- B g^oeš: 'a/g^oeşa pitiful, alas! (poetic).
- *g^oePžə -- B g^oebžə/g^oebz (to be) angry.
- *g^oełə -- B g^oełə/... a marsh plant used to make p^oābla, T a kind of grass, tuft of maize.
- *g^oePSk^ha -- S g^oepsk^ha, g^oepč^ha/... bronchitis. Cf. *PSk^ha.
- *g^oexa -- T g^oexa/g^oexa soft-hearted, weak of character.
- *g^oešx^oa -- B g^oešk: 'a/g^oešx^oa (to be) courageous, enthusiastic.
- *g^oerq: ə -- T pşa-g^oerqe/g^oereq^o vertebra of neck pşa/protuberance of thorax.
- *g^oeq^oa -- T g^oe'a/g^oe'a to worry, care; be in pain/to grieve, sob.
- *g^oerğə -- T g^oerğə/g^oerėğ kingpin of cart.
- *g^oeğə -- B g^oeğə/g^oeğə hope, K also opinion.
- *g^oe(r)ǵ^oe -- B g^oerǵ^oe/g^oǵ^o to crush millet; mortar for crushing millet.
- *g^oereşǵ^oa -- T g^oereşǵ^oa/g^oereşǵ^oa suspicion.
- *g^oeğ^oe -- B g^oeğ^oe/g^oeğ^o story, account (in: B K ye-g^oeğ^o şe-n to tell about; ye- its, şe-n to make).
- *g^oeğ^oe -- B g^oeğ^oe/g^oeğ^o difficulty, trouble/difficult, B ya-g^oeğ^oe/ya-g^oeğ^o to apply oneself, work hard at; diligent.
- *g^oePğ^oa -- B g^oebğə, g^oebğ^oa/g^oebğ^oa field, steppe.
- *g^oe(r)ñ(a) -- B g^oañə/g^oereñ pleasant, tasty.
- *g^oeya -- S g^oeya/... quantity of grain which fills one mortar or oven.
- *g^oeya -- T g^oeya/... malicious, mean, S courageous.
- *g^oap^ha -- B g^oāp^ha/g^oāpa pleasure.
- *g^oap: a -- B g^oāp: a/... it is stuffy, stifling.
- *g^oač^h (a) -- B g^oaš^h 'e, T g^oāš' a/g^oaš, g^oāša to distribute, divide, (in)tr., T also to give presents.
- *g^oaš: 'a -- B g^oāš: 'a/g^oāşa princess, husband's mother, T also wife, K doll.
- *g^oak^oa -- B g^oāk^oa/g^oāk^oa pleasant.
- *g^o(a)q^oa -- B g^oā'a T g^oe'a/... to hurry.
- *g^oaq^oe -- T g^oa'a/... likable (person).
- *g^oawa -- B g^oāwa/g^oāwa (to cause) injury.
- *g^oara -- B -g^oara/-g^oar a certain, some (cf? Georg. gvari).

*bag^oe pimple, scab

*dag^oe deaf

*Pseg^oe S island

*Pzag^oe tongue

*Pč: 'ag^oe B middle, center, circle

*čeg^oe surface of the earth, territory

*š ^h ag ^o e	<u>mountain top, top part/ plateau, surface</u>	*g ^o ag ^o e	<u>road</u>
*lag ^o e	<u>footsole; floor, valley</u>	*wag ^o e	<u>sky, heaven</u>
*Pl(a)g ^o e	<u>armpit</u>	*wag ^o e	<u>freckled</u>
*gag ^o e	<u>to play, game</u>	*nag ^o e	<u>face</u>
*x ^o eg ^o e	<u>millet (w. husks removed)</u>	*p ^h ag ^o a	<u>carp, fish, blunt-nosed/ blunt</u>
*qag ^o e	T <u>courtyard</u>	*dag ^o a	5 <u>short-eared</u>
*Pgag ^o e	<u>brisket, thorax</u>	*terg ^o (a)	<u>to butt/to fillip, bump</u>
*q ^o ag ^o e	<u>house-serf/homestead</u>	*qag ^o (a)	<u>palm of hand, handful</u>

85. k^o

- *k^oe -- .../ya-k^o fitting, proper, B ya-me-k^oe/ya-me-k^o wrong, shameful (me- negative). Prob. to next item, cf. English "(un)becoming".
- *k^o(a) -- B k^o(a)/k^o(a) to go, cover a distance, (in)tr.
- *k^oa -- B -k^oa/k^oa nomen agentis, cf. *š:a^oa, *xa^oa, etc.
- *k^oet^h(a) -- B ye-k^oet^h(a)/ye-k^oet(a) to pour out (resp. into) (ye- hollow space).
- *k^oat^h(a) -- B k^oat^ha/k^oata to move (along, forward), ye-k^oat^he/ye-k^oat to move back(wards).
- *k^oad(a) -- B k^oade/k^oad to disappear, get lost, perish, B xa-k^oada/xa-k^oada id. into a mass.
- *k^oačē -- B k^oačē/k^oač innards, inside, interior.
- *k^oasa -- B k^oasa/k^oasa to go out (as fire, light)/to escape, run away, desert, elope.
- *k^oaša -- T k^oaša/... to sneak along, move noiselessly.
- *k^oake -- B za-k^oač'e/za-k^oak to change; to get spoiled (za- to oneself).

*bek ^o e	T <u>little calf</u>	*lak ^o a	<u>grinder</u>
*perk ^o e	T <u>compact (of fabrics)</u>	*lak ^o a	K <u>painter</u>
*tak ^o e	<u>few, (a) little</u>	*lək ^o a	<u>messenger</u>
*tak ^o e	5 <u>place</u>	*xak ^o a	<u>reaper</u>
*čək ^o e	<u>small</u>	*xak ^o a	<u>stallion</u>
*wəPlak ^o e	T <u>to check up on</u>	*g ^o ak ^o a	<u>pleasant</u>
*Thak ^o e	<u>ear (-ma)</u>	*x ^o ak ^o a	<u>to pasture, itr.</u>
*nak ^o e	<u>face/cheek, mountainside</u>	*g ^o ak ^o a	T <u>to go astray (of cattle)</u>
*p ^h ak ^o a	B <u>saddle flap</u>	*hak ^o a	K <u>honeycombs with honey</u>
*zak ^o a	5 <u>full, whole</u>	*šhak ^o a	<u>offence taken, touchiness</u>
*č'ak ^o a	<u>felt cloak, "burka"</u>	*mark ^o a	<u>berry</u>
*š:a ^o a	<u>hunter, to hunt</u>		

86. Tk^o

- *Tk^o(a) -- B tk^oe/tk^oe to melt, thaw, drip, itr., .../tay-gā-tk^oa to drip on, bespatter, tr.

*Tk°alse -- B tk°apse/tk°aps drop (of water), cf. T pseḡā-n-tk°a id.

*ḡ°a(n)Tk°a T drop (of water, etc.)

87. Šk°

(After ā all dialects have šk° versus šk° elsewhere, cf. no. 74. Occasionally K has ṣk° besides or instead of šk°).

*Šk°(a) -- B šk°(a)/šk°(a) to squeeze, crush, cf. *paŠk°(a), etc.; T šk°ayaw to smithereens.

*Šk°əmpə -- B šk°əmpə/šk°əmp addle egg, rotten (egg) (orig. crush-shell?).

*Šk°əna -- T šk°əna/... noose.

*wəpəŠk°ə to crush, crumple, rumple

*məŠk°ə acorn

*PxaŠk°ə K wooden ring at end of rope for tying up fast

*nəŠk°ə to be chewed

*paŠk°(a) to pinch

88. x°

*x°ə -- B nātre-fe/x°ə corn, maize (Narts' millet)/millet.

x°ə -- B fe-ž'ə/x°ə-ž white, light (-ž'ə -colored).

*x°ə -- B fe/x°ə to roll dough, tr.

*x°ə -- .../pə-y-x° to smoke (of lamp, torch) (pə- tip, y- hollow, circle).

*x°ə -- fe/x°ə to plait (twigs), wattle (a fence), tr.

*x°ə -- .../xa-x° to forge (by hammering out of a mass xa-).

*x°(a) -- B fa/x°(a) to fall (K out of resp. into, onto) (only w. local prefixes), T fa to fly off (as chips while chopping wood), B -fa/-x°a remains, offal, cf. *Tḡax°a, etc.

*x°(a) -- B fe/x°ə to drive, chase, tr., K qə-da-x°a to drive (cattle, car) into stg., tr. (qə- hither, da- flat space).

*x°a -- B fa/x°a sinew.

*x°a -- T qə-da-fa/qə-da-x°a to be left over (*q:ə- hither, *da- flat space). Prob. identical with *x°(a) fall.

*x°a -- B šh'ə-fa/ṣə-x°a to smear (paint, grease) (*šh'ə- location).

*x°a -- T fa/x°a to fit, find place (in, around, etc.) (only w. local prefixes).

*x°əthā -- B fəthā/... to forge.

*x°əthā -- .../x°əta to explore, discover, make clear.

*x°əpse -- .../x°əps larva, grub.

*x°əze -- T feze/x°əz to press (as orange).

*x°əč'(a) -- B feč'a/x°əš to wash the head.

*x°əž'ə -- B fež'ə/x°əz white.

*x°əla -- .../x°əla crop (of bird).

- *x^oēla -- B ya-fēla/ya-x^oēla to impel, induce.
 *x^oeg^o -- B feg^oe/x^oeg^o millet (with husks removed).
 *x^oentx^o -- T fentfē/x^oentx^o husk of millet.
 *x^oep̄xa -- .../x^oep̄xa rolling-pin.
 *x^oe(r)q^ha -- B fērq^ha/x^oeq^oa chaff.
 *x^oešx^oa -- T fēšx^oa/x^oešx^oa medicine, curative.
 *x^oešha -- .../x^oešha to yawn.
 *x^oap^ha -- B fāp^ha/x^oāpa to dress, tr.
 *x^oambe -- T fambe/... quiet, still.
 *x^oaba -- B fāba/x^oāba warm.
 *x^oaba -- T fāba/x^oaba-šeps a soup with lumps of dough.
 *x^oa(r)t^ha -- .../x^oārta diaper, x^oāta scarf.
 *x^oarza -- .../x^oārza to soar, hover. Cf. *narza.
 *x^oač^h'e -- B faš^h'e/x^oaš cramp, convulsion.
 *x^oapž(a) -- B fābža/x^oābz quick, strong, important.
 *x^oa(n)la -- T fā(n)la/x^oāla to wither, wilt, fade.
 *x^oaye -- B faye/x^oay white maple (beloklën)/a kind of birch.
 *x^oame -- B fame/x^oam quiet, slow. Cf. T famefē/x^oamex^o lazybones/un-
wieldy (person). Cf. also *x^oambe.
 *wex^oane -- .../wex^oan to plait, braid.
 *x^oara -- B fāra/x^oāra thoroughbred horse.

- | | | | |
|-----------------------------------|---|-----------------------------------|---|
| *p ^h ax ^o e | <u>white-nosed</u> | *P ^h ax ^o e | 5 <u>birch</u> |
| *t ^h ax ^o e | K <u>white</u> | *q ^o ax ^o e | K <u>w. light horns and light grey around nose (oxen)</u> |
| *c:ax ^o e | <u>tin</u> | *q ^o ax ^o e | <u>affair, business</u> |
| *čex ^o e | <u>human being</u> | *g ^o ax ^o e | T <u>zinc</u> |
| *čex ^o e | <u>to know</u> | *nax ^o e | <u>object borrowed, K also to win (e.g. money)</u> |
| *sax ^o e | K <u>(quick)lime</u> | *Thax ^o e | K <u>with white ears</u> |
| *Psax ^o e | <u>to rest</u> | *nex ^o e | K <u>sheep's rectum</u> |
| *Pzax ^o e | <u>linden</u> | *nax ^o e | <u>light, clear</u> |
| *wePzax ^o e | K <u>to plan, make layout for</u> | *St:ax ^o a | T <u>ashes</u> |
| *zax ^o e | <u>oatmeal</u> | *čax ^o a | K <u>cobra</u> |
| *šax ^o e | <u>secret</u> | *sax ^o a | K <u>ashes</u> |
| *š ^o ax ^o e | <u>plain, steppe, smooth side of knucklebone/bald</u> | *zax ^o a | <u>straight, even</u> |
| *č'ex ^o e | <u>pale/bluish, birch-color</u> | *ž ^o ax ^o a | T <u>oil cakes for cattle</u> |
| *ž'ex ^o e | <u>fan</u> | *š:ax ^o (a) | <u>to buy</u> |
| *č ^h ax ^o e | <u>wax</u> | *čex ^o a | <u>debt, loan</u> |
| *λax ^o e | K <u>feathergrass</u> | *welax ^o a | K <u>rate of pay, salary</u> |
| *k ^h ex ^o e | K <u>dry twigs</u> | *xax ^o a | <u>brave, T also sour (fruit)</u> |
| *gax ^o e | <u>tow-haired</u> | *T ^h ax ^o a | K <u>husks (after peeling corn)</u> |
| *kax ^o e | K <u>dawn</u> | | |

*q°ax°a	K	<u>chaff</u>	*max°a	<u>day</u>
*šmax°(a)		<u>separate</u>	*max°a	<u>happy</u>
*wex°a	T	<u>to bend, tr.</u>	*nax°a	<u>definite, clear, obvious</u>
*wex°a	K	<u>to build</u>		

89. Tx°

*Tx°(a)	-- B	tf(a)/tx°(a)	<u>five (times).</u>
*Tx°aye	-- B	tfaye/tx°ay	<u>beech, hornbeam.</u>

*x°enTx°e	<u>husk of millet</u>	*weTx°(a)	Š	<u>to thrust, stab, prick</u>
*λenTx°a	<u>artery</u>			

90. Čx°, Šx°

(The two possibilities are not ordered alphabetically. The only certain case of *Čx° is the morpheme bridle and its derivative bit).

*Čx°a	-- B	šk:°a/šx°a	Be	čx°a	<u>bridle.</u>
*Šx°a	-- B	šk:°a/šx°a	Be	šx°a	<u>large, great.</u>
*Šx°eže	-- B	šk:°eže/šx°ež			<u>pelvis.</u>
*Čx°aq°e	-- B	šk:°a?°e/šx°a?°			<u>bit.</u> Cf. *Čx°a.
*Šx°ale	-- B	šk:°ale/šx°al			<u>udder.</u>

*weŠx°e	T	<u>to spread out, tr.</u>	*g°eŠx°a	(to be) <u>courageous, enthusiastic</u>
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91. Lx°

*Lx°(a)	-- B	λf(a)/λx°(a)	<u>to give birth, (in)tr.,</u>	cf. K	daλx°	<u>brother (of woman).</u>
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92. q^h

*q ^h a	-- B	q ^h a/qa	<u>grave/cemetery.</u>
*q ^h a ^h pa	-- .../qā ^h pa		<u>scale of fish.</u>
*q ^h a(m) ^h pa	-- T	qā ^h pa/qā ^h pa	<u>dandruff, K also husk of grain.</u>
*q ^h aPla	-- .../qābla		<u>stretcher, litter for carrying dead to cemetery</u> (T p ^h āmb ^h la).
*q ^h axa	-- .../qāxa		<u>feeble.</u>

*baq ^h e	K	<u>cow-shed</u>	*weš°arq ^h e	T	Š	<u>to trouble, make muddy</u> (ša-)
*ž°arq ^h e	B	<u>troubled (water), stifling</u>				

93. q:

- *q:ə -- .../za-g^oa-đ to loosen, unbutton (collar, shirt) (za-g^oa-joined).
- *q:ə -- T -qə/-đ large, (filled?), T nēba-q/nēba-đ pot-bellied, T ca-mə-q/ḡa-mə-đ with large teeth (*c:a tooth, -mə- prob. connective).
- *q:(a) -- B q:ə/ḡə to be benumbed, dumbfounded, speechless, Ṣ to harden, itr., T ḡa-qə to make blunt, to fill, cram, T pə-qa to make blunt (pə- tip). Cf. also *p^haq:a, *Ṣhaq:a.
- *q:(a) -- B ya-q:ə-x/yə-ḡa to swallow/to devour (ya-...-x down, yə- hollow).
- *q:a -- B t^hya-q:a/... to overtake, leave behind (t^hya- on).
- *q:əṢ^oca -- B q:əpca Ṣ q:əṢ^ota/ḡəpca plum.
- *q:ələ -- .../ḡəḷ vjazel' pēstryj (bot.).
- *q:əq:ə -- B q:əq:ə/ḡəḡ to stutter.
- *q:əwə -- .../ḡəw swan.
- *q:ərə -- .../ḡər stony land (unfit for agriculture), rock.
- *q:ap^hə -- .../ḡap sack.
- *q:abə -- B q:abə/ḡab pumpkin (cf? Tu kabak).
- *q:azə -- B q:āzə/ḡāz goose (Tu kaz).
- *q:aPz(a) -- B q:ābza/ḡābza clean, B wəq:abzə/wəḡabz to clean.
- *q:anḡ'a -- B q:ānḡ'a/ḡānḡa magpie.
- *q:ala -- B q:āla/ḡāla town, fortress (Tu kale).
- *q:(a)Pla -- B q:əbla/ḡābla south.
- *q:aq:a -- B q:āq:a/ḡāḡa to cackle, crow.
- *q:aṢḡ^oa -- T qāṢḡ^oa/ḡāṢḡ^oa sky-blue, T also green.
- *q:ayə -- B q:ayə/ḡa-ḡay to belch (ḡa- hither), B also to hiccup.
- *wəq:aya -- See *wəq:aya.
- *q:ama -- B q:āma/ḡāma dagger (Tu kama).
- *q:anə -- B q:ān/ḡān ward, pupil (cf? Tu kan blood).
- *q:ara -- B q:ara/ḡāra black (of horse) (Tu kara).

- | | | | |
|-----------------------|---|----------------------|---------------------------------|
| *t:əq:ə | back part | *naq:ə | Ṣ to flower, bloom |
| *dəq:ə | to stiffen, grow numb | *p ^h aq:a | snub-nosed |
| *saq:ə | (to be) careful | *t:aq:a | stump, thick end, handle |
| *ḡarq:ə | Ṣ pole w. branches on which herdsman hang sacks, etc. | *daq:a | hind end |
| *g ^o ərq:ə | vertebra of neck (pṣa-)/protuberance of thorax | *c:aq:a | to bite |
| *q:əq:ə | to stutter | *ḡ ^o aq:a | shoes |
| *ḡaq:ə | duty, obligation | *q:aq:a | to cackle, crow |
| *wəq:ə | to open wide, distend | *Pḡaq:a | self-satisfied/with wide breast |
| *warq:ə | nobleman | *Ṣhaq:a | stupid |

94. Pq:

- *Pq:ə -- B pq:ə/pqə framework, (part of) body, stone of fruit, (in compounds:) bone, stalk, K waradə-pq melody, cf. *š^oa.
- *Pq:a -- B -pq:a/-pqa piece of land destined for cereals (K g^oažə-pqa id. for wheat, etc.), T ġ^oənā-pqa/ġ^oənā-pqa boundary (ġ^oənā edge, border).
- *Pq:əš^oa -- B pq:əš^oa/pqəfa well-built.
- *Pq:əğ^oa -- T pqəğ^oa/pqəğ^oa thing, object.
- *Pq:əna -- T pqəna/pqəna (dye made of) henna (cf. Tu kina).
- *Pq:awə -- B pq:awə/pqaw pillar, post.

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|-----------------------|--|---|
| *daPq:ə | B <u>wall</u> | <u>for modelling (clothes)</u> |
| *žaPq:ə | <u>chin</u> , B also <u>steep hill</u> | *naPq:ə <u>cheekbone; riverbank</u> |
| *laPq:ə | <u>tribe, clan, kind, sort</u> | *zaPq:(a) <u>(to) straight(en)</u> |
| *PləPq:ə | <u>shoulder-joint</u> | *šəPq:(a) <u>real, genuine, complete</u> |
| *x ^o əPq:ə | B <u>weaving loom; form or frame</u> | *k ^h əPq:(a) <u>stone of fruit</u> |

95. q

- *qa -- B q^oa/q^oa hand, arm, Š also to touch, tr.
- *qa -- B q^oa/q^oa (in compounds:) horned cattle, cf. *qāš:ʻə, *qāx^oa, etc.
- *qa -- B š^hʻə-q^oa/šə-q^oa to be there, exist (*š^hʻə- general deixis), T ġā-q^oa to lift, raise, unfold (banner), open (umbrella), T pə-q^oa to tear off, itr. (pə- tip), B yə-q^oa/yə-q^oa to be a possession of (yə- refers to possessor).
- *qa -- B yə-q^oa/yə-q^oa to dye, tr.
- *qəxə -- T q^oəxə/q^oəx to take, receive stg. from sb., T q-ya-q^oəxə/q^o-ay-q^oəx id. (*q:ə- hither).
- *qəğ(a) -- B q^oəğə/q^oəğ to be held (B sə-mə-q^oəğ don't hold me!, sə-p-q^oəğ you hold me), K xa-q^oəğa to hold stg. in a mass xa-, tr.
- *qəña -- B q^oāñə/q^oəña part, share.
- *qap^ha -- B q^oāp^ha/q^oapa finger.
- *qab(a) -- B q^oāba/q^oaba to stretch out the hand, itr., K also to steal, tr., T q^oābə hand; to tear off, K ya-q^oab to touch, itr.
- *qa(m)pā -- T q^oāpa/q^oampa thing, goods, wares/bag, pouch, equipment, trifle.
- *qat^hə -- B q^oat^hə/q^oat to take up, lift up.
- *qat^ha -- B q^oāt^ha/q^oata haystack (larger than *qag^oa).
- *qada -- B q^oāda/q^oada pincers, tongs.
- *qasə -- B lə-q^oasə/lə-q^oas to reach to, get to (lə- after).
- *qasa -- B q^oāsa/q^oasa tame, quiet, T also to become silent.
- *qaza -- B q^oāza/q^oaza skilful, master, doctor.
- *qapša -- B q^oāpša/q^oapša wrist.
- *qas^oə -- B q^oaš^oə/q^oaš sweet.
- *qāš:ʻə -- B q^oaš:ʻə/q^oaš enclosure for cattle/cattle.

- *qapč:a -- B ʔāpč:a/... forest-trail, T pa-ʔāpča far, separated. Cf. *qā-
g°a.
- *qas:a -- B ʔās:a/ʔaša tool, weapon.
- *qaza -- B ža/ʔaza sledge.
- *qaza -- T ya-ʔāza/... to hold back, restrain.
- *qala -- T ʔāla/ʔala mitts, gloves.
- *qanla -- B ʔānla/ʔanla trough (for dough).
- *qale -- T ʔāle/ʔal wild (opposite of *qasa tame).
- *qapla -- T ʔābla/ʔabla arm, forearm.
- *qapʎ(a) -- B ʔāpʎə/ʔapʎa embrace, K also armful.
- *qaga -- B ʔāʒ'-ey/ʔaga handful, many.
- *qaska -- T ʔāška/ʔaška lump, (snow)ball.
- *qapga -- T ʔābga/... wattle-made drying-rack for corn, etc.
- *qag°e -- T ʔāg°e/... courtyard (T also š ʔāg°e).
- *qag°(a) -- B ʔag°e/ʔag° palm of hand, B ʔāg°a/ʔag°a small haystack/handful.
- *qapga -- .../ʔabga herd of beef-cattle.
- *qax°e -- T ʔax°e/... bracelet (K ʔa-pša-x°).
- *qax°a -- B ʔāx°a/ʔax°a herdsman of cattle.
- *qapx°a -- .../ʔapx°a to move to another place.
- *qag°a -- T ʔāg°-aw, pa-ʔāg°a/ʔag°a nearby. Cf. *qapč:a.
- *qapg°a -- T ʔābg°a/... piece (of cloth, leather, etc.).
- *qaya -- B ʔāya/ʔay bad, B also ugly.
- *qana -- B ʔāna/ʔana small three-legged table.

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|-----------|-----------------------------------|------------|------------------------|
| *Pseqa | <u>wet/wetness, moisture</u> | *g°(a)qa B | <u>to hurry</u> |
| *čh'(a)qa | <u>to put up with, withstand</u> | *weqa | <u>to wound</u> |
| *čeqa | <u>cold (noun)</u> | *naqa | <u>attention, care</u> |
| *g°eqa | <u>to worry, care/grieve, sob</u> | | |

96. ž

- *ž(a) -- B žə/žə net, fishing net, web, B baž'ə-žə/bage-ž spider-web,
B žə/... to knit, tr., B ža/za-re-ž to knit, B itr.
- *žəza -- T žəza/žəza to hurry/to be bold, decisive, frenzied.
- *žega -- .../žega-bz girl (-bz female).
- *žeye -- .../žey excitement, fury.
- *žeya -- B žeya/žay to move, make movements.
- *žewe -- B žewe/... grey shrike, T jay.
- *žat^ha -- B žāt^ha/žāta (nothing) special, important/(not) a bit (used in
negative expressions only).
- *žaxa -- T žāxa/... boastful.
- *žare -- T žare/žar grating, K also lace.

*č ^h er ^h e	K	<u>to touch</u>	*se ^h a	<u>crystals (of snow, sugar)</u>
*č ^h er ^h e		<u>thin, transparent (fabric)</u>	*la ^h a	<u>(to) hobble</u>
*č ^h ar ^h e		<u>wheel</u>	*ša ^h a	T <u>boastful</u>
*wema ^h e	T	<u>to bless, to baptize</u>	*ša ^h a	<u>to do, accomplish</u>
*p ^h er ^h (a)		<u>(to) snore</u>	*ša ^h a	T <u>to curse, tr.</u>
*p:a ^h a		<u>steam</u>	*ma ^h a	T <u>sharp pain due to inflammation of nerve</u>
*c:a ^h a		<u>w. wide-spaced teeth</u>		

97. P^h

- *P^he -- T p^he/p^he carrot.
- *P^h(a) -- B p^he/p^he to strew, scatter, sow by strewing, tr., T xa-p^ha/
xa-p^ha to strew into, tr.
- *P^ha -- B p^ha/p^ha wood, (in compounds:) tree; material for stg.; means, instrument.
- *P^hap^ha -- B p^hap^ha/... small stick.
- *P^ha^he -- T p^ha^he/... lot, fate.
- *P^hač^ha -- T p^hač^ha/... bedbug.
- *P^haP^he -- B p^hap^he/p^haps plane (tool).
- *P^haša -- B p^haša/p^haša weaver's comb.
- *P^hač^h:^he -- T p^hač^h:^he/p^hav rafter/brace between rafter and beam.
- *P^haš^h:^ha -- T p^haš^h:^ha/p^haša treebark.
- *P^hač^h^ha -- B p^haš^h^ha/p^haša rough, tough, spirited.
- *P^hač^h^ha -- T p^haša/p^haša brittle, fragile.
- *P^ha(m)Pla -- T p^hā(m)bla/p^hābla stretcher on which the dead are carried to the grave, T also transport of the dead on horses.
- *P^han^h(a) -- B p^han^hč^h:^ha, p^han^hč^h:^he/p^han^hč^h to sweep, itr. and tr.
- *P^haxe -- B p^haxe/p^hax file (tool).
- *P^haxe -- T p^haxe/p^hax to open, uncover (a straw roof).
- *P^hak^h:^he -- T p^hak^h:^he/p^hak^h heart of tree/timber.
- *P^haš^h^h:^he -- .../p^haš^h^h:^he wooden ring at end of rope for tying up fast (also p^haš^h^h:^he, p^haš^h^h:^he, originally prob. "wood-squeeze").
- *P^hax^h:^he -- Š p^haš^h:^he/... birch.
- *P^haP^ha -- T p^hap^ha/... crumbly, to crumble.
- *P^haq^h:^ha -- .../p^haq^h:^ha torch.
- *P^haš^h:^ha -- B p^haš^h:^ha/p^haš^h:^ha rasp.
- *P^ha(m)(P)š^h:^he -- B p^hamb^h:^he/p^ha(m)b^h:^he board, plank, Š also p^haš^h:^he.
- *P^hana -- T p^hāna/... square on chessboard.
- *P^hare -- B p^hare/p^har alarm, pursuit, chase. Cf. *P^hare.

*P ^h ceP ^h e	K	<u>liar</u>	*č ^h aP ^h e	<u>small shot</u>
*š ^h : ^h aP ^h e		<u>to pour boiling water over stg. (ša-)</u>	*č:aP ^h e	<u>to dry up, dry out</u>

*kaP̥ə	<u>squirrel</u>	*x ^o əP̥xa	K <u>rolling-pin</u>
*PzəP̥xa	<u>pattern (for cutting)</u>	*P̥xaP̥xa	T <u>crumbly, to crumble</u>
*g ^h aP̥xa	<u>measure, size, example</u>	*q: ^o əP̥xa	<u>form, mold, shoe-tree</u>
*(P)kəP̥xa	<u>small toothed wheel for cutting dough</u>	*x ^o əP̥xa	<u>talented, having aptitude</u>

98. T̥x̥

- *T̥x̥(a) -- B t̥x̥e/t̥x̥e to scratch, B ġa-t̥x̥e/t̥x̥e to peel ears of corn, B also to harrow, T xa-t̥x̥e/xa-t̥x̥ to tear (out), K xa-t̥xa to tear apart (xa- mass).
- *T̥xa -- B t̥xa/t̥xa to prosper, live in abundance.
- *T̥x̥eT̥x̥e -- B t̥x̥et̥x̥e/t̥x̥et̥x̥ to hurry.
- *T̥x̥ax^oa -- .../t̥x̥āx^oa husks (after peeling corn).

*zanT̥x̥e	<u>oats</u>	*p ^h aT̥xa	B <u>ragamuffin</u>
*lanT̥x̥e	T <u>to be torn (off)</u>	*ç: ^o e(n)T̥xa	B <u>to tear up</u>
*kanT̥x̥e	K <u>remains on bottom</u>	*PlanT̥xa	T <u>shoulder w. leg (of animal)</u>
*T̥x̥eT̥x̥e	<u>to hurry</u>	*k ^h aT̥xa	<u>to tear or be torn to shreds</u>
*q: ^o anT̥x̥e	<u>spoils, trophy</u>		

99. S̥x̥

- *weS̥x̥enda -- T wes̥x̥enda/... to let oneself go, become shabby.

- *taS̥xa (to become) weak/unstable,
Be secret

100. Š̥x̥

- *Š̥x̥e -- Š̥ ġa-š̥x̥e/ġa-š̥x̥ to move down, bend down, incline, tr.
- *Š̥xa -- Š̥ š̥xa/... small, tiny, T š̥x̥āš̥xa to be smashed to smithereens.
- *Š̥x̥eŠ̥x̥e -- .../š̥x̥eš̥x̥ to rustle, crackle.
- *Š̥x̥aye -- T š̥x̥aye/... small (potatoes, change, etc.). Cf. *Š̥ğaye.
- *Š̥x̥ara -- .../ye-š̥x̥ara north (cf. *Š̥x̥e; ye- poss. 3rd pers. possessive).

*Š̥x̥eŠ̥x̥e	K <u>to rustle, crackle</u>	*čəŠ̥xa	T <u>to glitter, sparkle</u>
*naŠ̥x̥e	<u>sad/stern, angry glance</u>	*kaŠ̥x̥(a)	K <u>poor, meagre; in small pieces</u>

101. ġ

- *ġe -- T š̥'e-ġe/ġe-ġ to be worn by sb. (of clothes) (*š̥^h'e- location).

- *š(a) -- B še/še to weep, T tya-ša/tay-ša to weep over, bewail (*t^hya-on).
- *ša -- B ša/ša year, season, T also summer.
- *ša -- B ša-/ša- causative prefix; petrified in several stems, cf. *šaza, *šaza, etc.
- *ša -- B -ša/-ša suffix for nomina actionis and abstracta; also in names of products, cf. *Pzeša, *šaša, etc., for which cf. also *-ša past tense.
- *šepza -- B šebza/šebza lament (song).
- *šasa -- B šāsa/šāsa mowed harvest (uncollected or unthreshed), B also wagonload of mowed grain.
- *šaze -- T ya-šaze/ya-šaz to force, compel sb. to do stg.
- *šaza -- T šāza/šāza to turn, spin, tr., K also turn(off)
- *šaza -- T š^oa-šāza/fa-šāza measles (*š^oa skin). Prob. to preceding item.
- *šaza -- T pe-ša-za-n/pe-šāza to solder stg. to stg., tr. (pe- tip).
- *šaša -- B šāša/šāša life(time).
- *šaz^oa -- B šaz^oa/šāva grain harvested, T millet.
- *šač^hē -- T šaš^hē/šāš milk, milk products.
- *šač:ē -- T xa-šače-ša-r/xa-šaž excision, carving/to cut out (of a mass xa-) (-ša past, -r absolutive), K pe-šaž to cut off from the front pe-.
- *šaPla -- B šābla/šābla hunger, famine, K also crop failure.
- *šaP^la -- T šāp^la/... to compress, to iron (originally poss. fold in four).
- *šaTxa -- B šātxa/šātxa spring (season).
- *šaša -- T šāša/šāša to do, accomplish, tr., T šaxā-ša success.
- *šaša -- T šāša/... to curse, tr.
- *šaša -- B q:a-šāša/qā-šāša to flower, bloom (*q:a- hither).
- *šaš^oa -- T ye-šaš^oa-n/ye-šāš^oa to pour in (ye- hollow, container).
- *šaš^oē -- B šaš^oē/šāš^o to have mercy.
- *šaya -- B šāya/šay to mourn, lament.
- *šaya -- .../šay failure of crops, famine.
- *šana -- .../šāna what is mowed off with one sweep of the scythe (cf? B haršan mowed-off row).
- *šare -- B šare/šar prisoner.

*derše	T	<u>to sting (w. words), abuse</u>	*daša	<u>lard, fat</u>
*čerše	Š	<u>snail</u>	*taša	K <u>to put on, dress</u>
*zaše		<u>becoming (of clothes)/easily digestible</u>	*saša	<u>bee bread/larvae and pupae of bees</u>
*ke(r)še		<u>to squeak, creak</u>	*Psaša	T <u>target (in shooting)</u>
*g ^o erše		<u>kingpin of cart</u>	*Pzeša	<u>slice, piece</u>
*deše		<u>to be held</u>	*Pzeša	<u>clear (about night)</u>
*q ^o eše	K	<u>to howl (as dogs)</u>	*zaša	<u>to come to rest</u>
*t:ēša		<u>sun</u>	*Pzaša	B <u>wrong (inner) side of textile</u>

*šağa	(round) <u>braid</u> , T also <u>wick</u>	*kağa	K <u>fog</u>
*ž'əğa	T <u>mass, multitude</u>	*g'əğa	<u>hope</u> , K also <u>opinion</u>
*šh'əğ(a)	<u>beads</u>	*ğağa	<u>to flower, bloom</u>
*Pž'əğa	<u>grease-stain on clothing</u>	*q:əğa	<u>raven</u>
*Pč:(a)ğa	<u>number, quantity</u>	*q:əğa	K <u>corner, space behind stg.</u>
*leğa	<u>forest- or steppe-fire</u>	*yağa	<u>rash, pimple/fault</u>
*lağa	T <u>plate, dish</u>	*wağa	<u>ribbon, lace, braid</u> , T also <u>to braid, weave</u>
*Plağa	<u>near, close (as relative)</u>	*wağa	T <u>to churn (butter)</u>
*Plağa	B <u>bead</u>		

102. Pğ

*Pğa	-- B bğa/bğa <u>to cover a roof with straw, tr.</u>
*Pğa	-- T ya-bğa/... <u>to take offense at, carry a grudge about</u> (subject g'ə <u>the heart</u>).
*Pğa	-- B bğa/bğa <u>breast</u> .
*Pğa	-- B bğa/bğa <u>eagle</u> , T also <u>kite</u> .
*Pğa	-- B bğa/bğa <u>barren, dry (of cows)</u> .
*Pğag'ə	-- B bğag'ə/bğag'ə <u>brisket, thorax</u> .
*Pğaqa:a	-- T bğaqa/bğaqa <u>self-satisfied/with wide breast</u> .
*Pğašx'a	-- T bğašx'a/bğašx'a <u>hawk/steppe-eagle</u> .

*p ^h aPğa	K <u>eager, burning w. desire</u>	*haPğa	S <u>divan</u>
*ž'əPğa	<u>wind</u>	*naPğa	<u>near-sighted</u>
*q ^h aPğa	K <u>herd of beef-cattle</u>		

103. Šğ

*Šğerbe	-- T žğerbe/žğereb <u>wild grape/gooseberry</u> (K also šğereb).
*Šğaye	-- T žğaye/žğay <u>small (potatoes, change, etc.)</u> (T also šğaye, K also žğež).

*peŠğe	K <u>smithereens</u>	*weŠğ(a)	<u>to peel, pearl (barley)</u>
*naŠğe	<u>eye-socket</u>		

104. q^h

*q ^h ə	-- B q ^h ə/q ^h a-q ^h <u>to break wind</u> (q ^h a- <u>hither</u>).
*q ^h a	-- B q ^h a/q ^h a <u>pig</u> .
*q ^h əza	-- .../q ^h əzā-na <u>sieve</u> (na <u>eye</u> , here a formative).
*q ^h əze	-- B q ^h əze/q ^h əz <u>pear</u> .
*q ^h əla	-- .../q ^h əla <u>thick sediment, dregs</u> .

- *q^hela -- B q^hela/... stalks and leaves (of melons, beets, potatoes, etc.).
 *q^heh(a) -- B q^heh T q^heha/q^heh boat, ship.
 *q^has^oa -- B q^has^oa/q^hafa boat.
 *q^has^oa -- B ha-q^has^oa/q^hafa dog's ha feeding trough/gutter, trough.
 *q^haya -- B q^haya/q^hay cheese.

- | | | | | | |
|----------------------|---|---------------------|--------------------------------------|---|--|
| *kaq ^h e | K | <u>cock of gun</u> | *Txaq ^h a | S | <u>shady side of mountain</u> |
| *yaq ^h e | | <u>cud/entrails</u> | *x ^o e(r)q ^h a | | <u>chaff</u> |
| *č'aq ^h a | | <u>bread</u> | *haq ^h a | | <u>water-trough for cattle</u> |
| *čeq ^h a | B | <u>badger</u> | *weq ^h a | | <u>to whirl up, to destroy, be destroyed</u> |
| *xeq ^h a | | <u>porpoise</u> | | | |

105. q:^o

- *q:^oe -- .../q^oe to thrash, beat.
 *q:^oe -- B ye-q:^oe/q^oe to fill up (e.g. a sack with flour).
 *q:^oe -- T ya-q^oe/ye-r-ey-q^o it suffices/to be content, satisfied with stg., T ye-q^o-č'a/ye-q^o-ka very, fully (-č'a instrumental).
 *q:^oe -- B ya-q:^oe/ya-q^o to push, pull.
 *q:^o(a) -- .../q^oe to stretch (e.g. a skin), tay-q^oa to pull stg. over stg.; ^{cover, case.}
 *q:^oe -- .../q^oe handle, haft, knob of door, cf? also K pxa-q^o contraption to prevent cow from sucking itself (pxa wood).
 *q:^o(a) -- B č'a-ğa-q:^oa/ša-ğa-q^oa to prop up, support, K xabza-ša-q^o one who upholds the tradition, K k^oe-q^o crossbeam (*č'a- under, *xā-pza tradition, *k^ho middle).
 *q:^oa -- B q:^oa/q^oa son.
 *q:^oa -- B q:^oa/q^oa mountain-valley, ravine.
 *q:^oetha -- B q:^oetha/q^oeta to smash, break up, chop.
 *q:^oert^he -- B č:at:-q:^oert^he/q^oert brood-hen (*č:at:ə chicken).
 *q:^oez(a) -- B q:^oeze/q^oez to compress, T č'a-q^oeza/ša-q^oeza to pull fast (as belt).
 *q:^oePxa -- .../q^oePxa form, mold, shoe-tree.
 *q:^oeğe -- .../q^oeğe to howl (as dogs).
 *q:^oešha -- T q^oešha/q^oešha mountain, K also Balkar, Ossete.
 *q:^oePšha -- B q:^oePšha/q^oePšha bone, K šha-q^oePšha skull.
 *q:^oeye -- B q:^oeye/q^oey mangy.
 *q:^oera -- B q:^oera/q^oera dried-out stalks, dried grass/rough (as hide).
 *q:^oap^h(a) -- B q:^oap^he T q^oāpa/q^oāpa corner (e.g. of table), angle, S twig, *wana-q:^oap^ha pommel of saddle.
 *q:^oade -- B q:^oade/... stubborn.
 *q:^oa(n)cha -- B q:^oānc^ha/q^oāca branch with twigs/branchy.
 *q:^oaPca -- B q:^oāPca S q^oāPsa/q^oāPca dark-haired, swarthy, K also lean.
 *q:^oaPse -- B q:^oapse/q^oaps handle, haft, ear (of vessel)/rhizome.

- *q:°a(n)čh'a -- B q:°āšh'a/q:°ānša crooked.
- *q:°až'a -- B q:°āž'a/q:°āža village, aul.
- *q:°ačh'e -- B q:°ačh'e/q:°aš brother, B also relatives.
- *q:°anča -- B q:°ānča/q:°ānša jackdaw/rook.
- *q:°ała -- B q:°āła/q:°āła to be turbulent/to boil, itr.
- *q:°ala -- T q:°ala-ž'e/q:°āla raven/crow (ž'e old, here hypocoristic).
- *q:°ak:°a -- T q:°āk:°a/q:°āg:°a hornless/one-horned, one-eared, asymmetrical.
- *q:°ax°e -- .../q:°ax° (color of oxen:) black w. light horns, light grey around nose.
- *q:°antx'e -- B q:°antx'e/q:°antx spoils, trophy.
- *q:°ağa -- B q:°āğa/q:°āğ raven.
- *q:°ağa -- .../q:°āğ corner, space behind stg. Cf. next item.
- *q:°ağ°e -- B q:°ağ°e/... corner. Cf. preceding item.
- *q:°ağ°e -- B q:°ağ°e/q:°ağ° skinny, lean.
- *q:°ay'e -- T q:°ay'e/q:°ay 8th/3rd year of 12-year animal cycle (cf? Tu koyun sheep; there must be an error in the numbering in Kardanov 1957 as the 3rd year is also given as K želān, which is the 6th in T ž'elān, cf. Tu yılan snake).
- *weq:°aya -- T ġa-weq:°āya/weq:°ay to remove feathers with boiling water/to moult (T weqaya-n to moult).
- *q:°ama -- Š q:°āma/... twig.
- *q:°ane -- B q:°ane/q:°ane-ž a kind of mint (wood betony).

- | | | | |
|-------------------------|--|--------------|---|
| *baq:°e | <u>furrow/boundary between two plots</u> | *Pzaq:°a | <u>horn (of cattle)</u> |
| *g:°aq:°e | <u>bald</u> | *Pš:°eq:°a | <u>husband's brother</u> |
| *š:°eq:°e | <u>vessels, plates and dishes</u> | *laq:°a | <u>leg</u> |
| *k ^h :°eq:°e | K <u>crossbeam</u> | *Plaq:°a T Š | <u>to cool off</u> |
| *Tħaq:°e | <u>to steal/confiscate, abduct</u> | *l:°aq:°a | <u>clan/sworn brother</u> |
| *maq:°e | <u>hay</u> | *Pğeq:°a | <u>crossbeam</u> |
| *baq:°a | <u>to step, stride</u> | *Pħaq:°a K | <u>torch</u> |
| *tħaq:°a | <u>to strew</u> | *ħaq:°(a) | <u>to bark/to make noise</u> |
| *t:erq:°a | <u>scar</u> | *Tħarq:°a | <u>pigeon, dove</u> |
| *Tq:°a(r)q:°a | <u>bifurcation/dual, in two</u> | *weq:°(a) | <u>top part drops down, śħa-to doze</u> |
| *zaq:°a | <u>lonely, (a)lone</u> | *neq:°a | <u>half; to be in need of</u> |

106. q:°

- *q:°e -- B q:°e/q:°e (cavity of the) mouth; orifice.
- *q:°e -- B ye-q:°e/ye-q:°e to stick, put into (a hollow ye-), tr., B pħe-q:°e/pe-q:°e to stick onto (*pħe- tip).
- *q:°(a) -- B q:a-q:°e/q:a-q:°e to resound, be heard, spread (of rumor) (*q:a-hither), B q:°a/q:°a to speak/to sing, crow (of birds).
- *q:°a -- B q:°a/q:°a pen, fold (for cattle)/wattle fence of id.

- *q^oa -- B ʔ^oa/ʔ^oa to thresh, itr. and tr., T ʂ^oa-ʔ^oa-ca/fa-ʔ^oa-ʒa implement for softening leather (*ʂ^oa hide, *c:a tooth).
- *q^oa -- B -ʔ^oa/-ʔ^oa suffix -ish with color names.
- *q^oep^ha -- B ʔ^oep^ha/ʔ^oepa mouth, lips.
- *q^oebe -- T ʔ^oebe/ʔ^oeb gulp/to gulp.
- *q^oebe -- T ʔ^oebe/ʔ^oeb to overturn.
- *q^oe(m)pa -- T ʔ^oepa/ʔ^oempa bridle, reins.
- *q^oeda -- B ʔ^oeda/ʔ^oeda flounce, frill, fringe/lace (in the verb B K ʔ^oeda to sew on, ʔ^oe- has the status of a prefix).
- *q^oese -- B ʔ^oese/ʔ^oes food, feed.
- *q^oesa -- B ya-ʔ^oesa/ya-ʔ^oesa to touch.
- *q^oepse -- B ʔ^oepse/ʔ^oeps spittle.
- *q^oeza -- .../ʔ^oeza crooked; narrow, flat.
- *q^oeʂ(a) -- T ʔ^oeʂe-ŋa-n/ʔ^oeʂa to build (as dam)/dam.
- *q^oepʂa -- B ʔ^oepʂa/ʔ^oepʂa lips, K ʔ^oepʂa ʂen to purse one's lips (to show contempt) (ʂen to make).
- *q^oeʂ^oa -- B ʔ^oeʂ^oa/ʔ^oefa shore, bank, edge.
- *q^oeʂ^oe -- B ʔ^oeʂ^oe/ʔ^oev thick (layer, fluid), fat (person).
- *q^oeč^ha -- T ʔ^oeš^ha/ʔ^oeša with crooked mouth/crooked, bent.
- *q^oe(n)č^h(a) -- B ya-ʔ^oeč^ha/ʔ^oenʂa, ya-ʔ^oenʂ to push, shove.
- *q^oePč^h(a) -- B ʔ^oepč^ha/ʔ^oepʂ articulate, clear, distinct. Cf. *ʂ^oePč^ha.
- *q^oePč^ha -- B ʔ^oepč^ha/ʔ^oepʂa layer/piece, portion, B txə-ʔ^oepč^ha/txə-ʔ^oepʂa vertebra (txə backbone).
- *q^oeč(a) -- T wə-ʔ^oečə/ʔ^oeʂa to cut, hew, trim.
- *q^oeš:e -- B ʔ^oeš:e/ʔ^oeš smart, intelligent, B wəʔ^oeš:e to instigate.
- *q^oePɭa -- T ʔ^oepɭa/ʔ^oepɭa-ǵ^oa glance, look.
- *q^oela -- T ǵa-ʔ^oela/ǵa-ʔ^oela to fool/to tempt, seduce.
- *q^oeł(a) -- B ʔ^oeła/ʔ^oeła, ya-ʔ^oeł to tack, stitch, rivet.
- *q^oenke -- T ʔ^oenč^h-e-bza/ʔ^oenke-bza lock, T also key.
- *q^oepxa -- T pa-ʔ^oepxa/ʔ^oepxa apron.
- *q^oek^ha -- T ʔ^oek^ha/ʔ^oek^ha plug, spigot.
- *q^oe(P)χ^oa -- B ʔ^oeχ^oa T ʔ^oe(p)χ^oa, pa-ʔ^oeχ^oa/ʔ^oeχ^oa curtain.
- *q^oeʂχ^oa -- B ʔ^oeʂχ^oa/... shrew, termagant. Cf? *q^oaʂχ^oe.
- *q^oeǵ^oa -- B ʔ^oeǵ^oa/ʔ^oeǵ^oa smoke.
- *q^oeʂŋa -- B ʔ^oeʂŋa/ʔ^oeʂŋa poppy.
- *q^oeya -- T ʔ^oeya/ʔ^oay foot-and-mouth disease.
- *q^oena -- B ʔ^oena/ʔ^oena nail.
- *q^oathə -- B ʔ^oathə/ʔ^oat to knead, rub (esp. leather).
- *q^oath^ha -- B ʔ^oat^ha/ʔ^oata to tell, report/to announce, make known.
- *q^oa(ʔ/n)ta -- B ʔ^oānta/ʔ^oānta to bend, distort/to turn, wind, K xa-ʔ^oā(n)ta to screw, drill in (xa- mass).
- *q^oag^oe -- T ʔ^oag^oe/ʔ^oag^o house-serf/homestead.

- *q°ax°e -- B °afe/°ax° affair, business.
 *q°ax°a -- .../°āx°a chaff.
 *q°ax°e -- T °ax°e/... to make a slip in speaking.
 *q°as°x°e -- .../°as°x° raving, delirium. Cf. *q°es°x°a.
 *q°as°ña -- B °ās°ña/°ās°ña barrow/hill.
 *q°aye -- T °aye/°ay to bleat.

*wepaq°e	B	<u>to pluck (a bird)</u>			<u>bride's headdress</u>
*Pseq°e		<u>riverbank</u>	*maq°e		<u>shield</u>
*s°aq°e		<u>(to turn) sour</u>	*naq°e		<u>face</u>
*c°eq°e		<u>buttons, fastening</u>	*p°eq°a		<u>cap, hat</u>
*c°eq°e		<u>upper part, top side</u>	*beq°(a)		<u>misshapen</u>
*sh°aq°e		<u>to moan</u>	*daq°(a)		<u>to listen, obey</u>
*Pla°aq°e		<u>upper back, shoulders</u>	*Pš:°eq°a		<u>temporary lodging</u>
*g°aq°e	T	<u>likable (person)</u>	*Pž°aq°a		<u>bee-garden</u>
*Cx°aq°e		<u>bit</u>	*laq°(a)		<u>to request</u>
*ñaq°e	T	<u>mushroom</u>	*weq°(a)		<u>to peck</u>
*Thaq°e	T	<u>boot-top</u>	*naq°a		<u>well-known, K also distinct,</u> <u>T also give oneself airs</u>
*šnaq°e		<u>top edge/front part of</u>			

107. x°

- *x°e -- B x°e/x°e to graze, B ġa-x°e/ġa-x° to pasture, put to graze.
 *x°e -- B -x°e/x°e male.
 *x°e -- B -x°e/-x° collar, chain, cf. *Pšax°e, *lax°e, etc.
 *x°(a) -- B x°(a)/x°(a) to ripen, grow, increase, become, happen, be (present) (usually x°e, but cf. K xax°a profit, etc.).
 *x°(a) -- B -x°(a)/-x°(a) wrong, cf. *dax°e, *sax°e, etc., T da-wenāx°a to be ruined together with da- sb., K °ag°āx°a clumsy.
 *x°a -- B x°a-ž°e/x°a-ž° to (ex)change (-ž°e/-ž° back, again, as previously, re-).
 *x°a -- B x°a/x°a to file, rub, itr. and tr.
 *x°a -- .../x°a to full (cloth), itr. and tr.
 *x°a -- See *(P)x°a.
 *x°ep°he -- .../x°ep° to lap up, tr.; large wooden spoon.
 *x°es°t°e -- T pe-x°es°te/... to fly off (as wheel from axle) (pe- tip), T ye-x°es°te to jump out (ye- hollow space).
 *x°ep°ce -- B x°ep°ce/... to itch.
 *x°es°a -- T x°es°a/x°es°a to quarrel, swear, grumble.
 *x°es°a -- T x°es°a/... to prance (of horse).
 *x°eč°h°a -- T x°eš°a/x°eša mass, multitude, K also herd.
 *x°e(n)č°a -- B x°eč°a/x°enša to rob, itr. and tr., T x°enč°a raid.

- *x°əla -- B q:-ya-x°əla/q'-ay-x°əla to succeed, come off, T to happen to sb. (*q:- hither).
- *x°əPga -- T x°əbga/... (cattle) for breeding.
- *x°əPq:ə -- B x°əpq:ə/... weaving loom; form or frame for modelling (clothes).
- *x°əPxa -- B x°əpxa/x°əpxa talented, having aptitude.
- *x°əma -- B x°əma/x°əma to protect, save, spare.
- *x°əne -- .../x°ən meadow grass.
- *x°ən(a) -- B x°əna T x°əne/x°ən moth.
- *x°at^ha -- B x°at^ha/... ravine, gully.
- *x°at:ə -- B x°at:ə/... blizzard.
- *x°aPs(a) -- B x°āpsa/x°āpsa, ya-x°aps to desire, fall in love with, be keen on, envy, itr.
- *x°(a)ke -- T x°āč'ə/tay-x°ək to rub, damage by rubbing (tay- surface), K pxere-y-x°ək to be worn into holes (pxe-rē- through).
- *x°ake -- B za-x°āč'ə/za-x°ak to (ex)change (za- reflexive-reciprocal).
- *x°aPSke -- T qa-x°ap(s)č'ə/x°apsk to flash (of lightning), K also lightning. (Cf? B pč: 'ēč' a lightning).
- *x°aška -- .../x°āška spark.
- *x°ak°a -- B x°āk°a/x°āk°a to pasture, itr.
- *x°ax°(a) -- .../x°āx°a to pronounce a toast or congratulation, x°ax° toast, congratulation.
- *x°aye -- T x°aye/... in abundance.
- *x°awe -- T x°awe/... deep ravine.
- *x°ana -- B x°āna/x°āna, ya-x°an to curse, use expletives (to), T x°ane/x°an expletive.
- *x°are -- .../x°ar parable.

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|-----------------------|-------------------------------------|------------------------|------------------------------------|
| *be ^h x°e | <u>wide (clothes, opening)</u> | *na ^h x°e | <u>wide (mesh)/big-eyed</u> |
| *da ^h x°e | T <u>to make a wrong choice</u> | *p ^h erx°a | K <u>corridor, porch</u> |
| *sa ^h x°e | <u>spoiled (as child)</u> | *t ^h ax°(a) | <u>to scratch</u> |
| *Psa ^h x°e | <u>chain/collar</u> | *Pse ^h x°a | <u>riverbed, channel</u> |
| *č ^h ex°e | <u>gelding</u> | *č ^h ax°a | <u>to creep, slide</u> |
| *č:ax°e | <u>to run the wrong way</u> | *č ^h (a)x°a | <u>herdsman of horses</u> |
| *ža(r)x°e | <u>chatterbox/coarse, boor</u> | *Pč ^h ax°a | <u>sand</u> |
| *la ^h x°e | <u>fetters</u> | *le ^h x°(a) | <u>to look for</u> |
| *la ^h x°e | <u>trot</u> | *k:°ax°a | <u>pitchfork</u> |
| *Pla ^h x°e | T <u>to get wrong information</u> | *q ^h ax°a | <u>herdsman of cattle</u> |
| *g°e(r)x°e | <u>(mortar for) crushing millet</u> | *Pxa ^h x°a | <u>rasp</u> |
| *q ^h ax°e | T <u>bracelet</u> | *ga ^h x°a | <u>to pour in</u> |
| *q°ax°e | T <u>to make a slip in speaking</u> | *q:°ex°a | See *q:°e(P)x°a |
| *ha ^h x°e | Š <u>fig</u> | *x°ax°(a) | <u>(to pronounce) a toast</u> |
| *wa ^h x°e | B <u>to err, miss a target</u> | *g°ax°a | <u>to howl, roar, holler</u> |
| *me ^h x°e | <u>unripe</u> | *we ^h x°a | <u>easy to split/to limb (-nš)</u> |

108. Pǎ°

- *Pǎ°e -- B pǎ°e/pǎ°e daughter.
 *Pǎ°(a) -- B pǎ°a/pǎ°a to grasp, snatch, itr., K pǎ-pǎ° to cut off or take away quickly, tr. (pǎ- tip).
 *(P)ǎ°a -- B t^hya-ǎ°a/tay-pǎ°a to cover, B t^hya-(p)ǎ°a/tay-pǎ°a cover (table-cloth, etc.).
 *(P)ǎ°amba -- T ʔa-, ʎa-ǎ°amba/ʔa-, ʎa-pǎ°amba finger, toe (ʔa hand, ʎa foot).
 *Pǎ°at^h(a) -- B pǎ°āt^ha/pǎ°āta to grasp, seize, tr., K xa-pǎ°at id. out of a mass xa-.
 *Pǎ°ant^ha -- B pǎ°ānt^ha/pǎ°ānta trunk, chest.

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|--|--|
| *ʔaPǎ°e T <u>girl in rel. to wet-nurse</u> | *ǎaPǎ°a K <u>haystack</u> |
| *Pš: ʔPǎ°e <u>husband's sister</u> | *q: ʔ(P)ǎ°a <u>curtain</u> |
| *č ^h ePǎ°e <u>sister</u> | *wePǎ°e T <u>to touch up, rectify, to cut (hair)</u> |
| *p ^h ePǎ°a K <u>haystack</u> | |

109. Tǎ°

- *Tǎ°e -- B tǎ°e/tǎ°e butter, B š^hʔe-tǎ°e/šǎ-tǎ°e to praise, flatter, itr. (*š^hʔe- general deixis).
 *Tǎ°(a) -- B tǎ°(a)/tǎ°(a) to dig, scrape asunder, rake, (in)tr.
 *Tǎ°(a) -- .../tǎ°e to grow grey (of hair), B tǎ°a/tǎ°a to grow grey (of hair), dun (color of horse)/grey (of horse).
 *Tǎ°a -- T da-tǎ°a/tǎ°a to quickly stick one's hand into stg. (box, etc.)/to sidle, rush from side to side, gallop.
 *Tǎ°e^r/mba -- T tǎ°erba/tǎ°eremba foam.
 *Tǎ°e(n)čʔ(a) -- B tǎ°ečʔa/tǎ°enš to scrape, plane.
 *Tǎ°ela -- B tǎ°ela/tǎ°ela butter-dish.
 *weTǎ°eTǎ°e -- Š wetǎ°etǎ°e/... to beat (as eggs, cream).
 *Tǎ°eye -- .../tǎ°ey (bot.) polygonum convolvulus.
 *Tǎ°aPlə -- T tǎ°aplə/... red-haired.
 *weTǎ°aya -- Š wetǎ°āya/... to get covered with mould.

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|--|--|
| *seTǎ°e K <u>hoar-frost</u> | *ʎanTǎ°(a) <u>filament, combing/pole with branches</u> |
| *weTǎ°eTǎ°e Š <u>to beat (eggs, cream)</u> | |
| *čanTǎ°a <u>to scrape/to slide</u> | *weTǎ°a <u>to become turbid, muddy</u> |

110. Šǎ°

- *Šǎ°e -- B šǎ°e/... burdock.
 *Šǎ°a -- T ǵā-šǎ°a/... to temper, harden.
 *Šǎ°a -- B šǎ°a/šǎ°a sorcery, T mischief.

- *šx°a -- B šx°a/šx°a grey, grey-blue.
 *šx°eñ(a) -- B šx°añe T šx°eña/šx°eñ sorcery/poison.
 *šx°a(n)t(a) -- B šx°anta Š šx°ata/šx°anta (electric) blue, also "blue from cold", Š green, K we-šx°ant to become blue.
 *šx°are -- T šx°are/... alarm, pursuit, chase (with a posse). Cf. *Pšare.

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|-------------------------------------|--|
| *ž°a(š)x°e (to commit) an oversight | *x°ešx°a <u>medicine, curative</u> |
| *q°ašx°e K <u>raving, delirium</u> | *q:ašx°a <u>sky-blue</u> , T also <u>green</u> |
| *wašx°e K <u>to misfire</u> | *Pğašx°a <u>hawk/steep eagle</u> |
| *Pcašx°a <u>swallow (zool.)</u> | *q°ešx°a B <u>termagant, shrew</u> |
| *g°erešx°a <u>suspicion</u> | *wašx°a K <u>blue sky</u> |

111. ġ°

- *ğ°e -- B ġ°e/ğ°e to dry out, itr.
 *ğ°e -- B ġ°e/ğ°e to gnaw, tr.
 *ğ°e -- T fa-ğ°e/x°a-ğ°e to remain unpunished (*x°a- for sb.).
 *ğ°e -- B -ğ°e/-ğ°e companion, partner, *ğ°ena-ğ°e neighbor, etc.
 *ğ°(a) -- .../ğa-ğ°e to pity, itr. (ğa- because of, subject g°e the heart),
 T č'a-ğ°a-ž'e/š-ay-ğ°a-ž to change one's mind (about doing stg.),
 K also to regret (-ž'e/-ž back, as previously).
 *ğ°a -- B ġ°a/ğ°a burrow, den, hole.
 *ğ°a -- B ye-ğ°a/ye-ğ°a time, term, season (ye- 3rd pers. possessive);
 also suffix for abstracta (besides -ğa).
 *ğ°a -- B ġ°a/ğ°a reddish, brown, yellow, sorrel (of horse).
 *ğ°a -- Š ġ°a/... mistletoe (T yāğ°a).
 *ğ°a -- .../ğ°a to bleat.
 *ğ°e(n)d(a) -- B ġ°ende T ġ°e(n)d(a)/ğ°ed(a) gadfly.
 *ğ°erc^ha -- B ġ°erc^ha/... brushwood, shrubbery.
 *ğ°esa -- B ġ°esa/ğ°esa companion, fellow-traveler.
 *ğ°eş(a) -- B ġ°eşe/ğ°eş to dry out, itr., T ġ°eşa/ğ°eşa dry.
 *ğ°erze -- B ġ°erze T ġ°ereze/... roof-tiles, Š zinc roofing.
 *ğ°ePž'e -- B ġ°ebž'e/ğ°ebž Tuesday.
 *ğ°eč'a -- T ġ°eč'a/ğ°eša to dry out, itr.
 *ğ°ePč:a -- B ġ°epč:a/ğ°ebža sickle.
 *ğ°ePč:a -- B šña-n-ğ°epč:a/šña-ğ°ebža window (*šña head).
 *ğ°ečē -- B ġ°eče/ğ°eš iron.
 *ğ°e(P)š:e -- See *(P)ğ°e(P)š:e.
 *ğ°ePš:a -- B š'h'e-ğ°epš:a/še-ğ°epša to be forgotten (*š'h'e- general deixis,
 refers to person forgetting).
 *ğ°e(r/n)ga -- B ġ°enž'a Š ġ°erga/ğ°ega mirror.
 *ğ°e(r)kē -- T ġ°erc'e ŠM ġ°eke/... severe frost.

- *ǵ°ēka -- B ǵ°ēč'a/ǵ°ēka blacksmith.
- *ǵ°ēTña -- B ǵ°ēTña/ǵ°ēTña to relieve oneself, esp. to urinate.
- *ǵ°eme -- B ǵ°eme/ǵ°em thick (of cylindrical objects), T also pregnant.
- *ǵ°ena -- B ǵ°ena/ǵ°ena edge, border.
- *ǵ°ap^ha -- B ǵ°āp^ha/ǵ°āpa sleeve.
- *ǵ°(a)^r/mbə -- T ǵ°erbe/ǵ°amb burrow, hole.
- *ǵ°at^h(a) -- B ǵ°at^he/ǵ°at to find, T pe-ǵ°ata-n id. on stg. (pe- tip).
- *ǵ°at^ha -- See *pǵ°at^ha.
- *ǵ°a^ta -- .../ǵ°ā^ta dark-reddish.
- *ǵ°aPc:a -- T ǵ°āpca/... to harden, form a crust (as dough).
- *ǵ°aǵe -- T pe-ǵ°aǵe/... to answer.
- *ǵ°aPse -- T ǵ°apse/... ichor, pus.
- *ǵ°aze -- B ǵ°aze/ǵ°az steam, light fog, haze.
- *ǵ°aza -- B ǵ°āza/ǵ°āza to be oriented, informed/leader, guide, target, point of orientation, sight (on gun).
- *ǵ°aza -- T ǵ°āza/... to dry out slightly.
- *ǵ°aš°e -- T ǵ°aš°e/... saline soil, dust-colored, dusty.
- *ǵ°aš°(a) -- B -ǵ°aš°e/-ǵ°ā^ta easy. Cf. *ǵ°aya.
- *ǵ°ač^h'e -- T pe-ǵ°aš°e/... to bring, lead stg. or sb. to meet sb. Cf. *č^h'(a) to take, bring, lead.
- *ǵ°aPč:'a -- B ǵ°āpč:'a/ǵ°ābža brownish, yellowish.
- *ǵ°aš:'a -- B ǵ°āš:'a/ǵ°āša to lose one's way.
- *ǵ°až'e -- B ǵ°až'e/ǵ°az yellow.
- *ǵ°alə -- B ǵ°alə/ǵ°al to lie down.
- *ǵ°aPl(a) -- B ǵ°aplə/ǵ°apl copper-red, B ǵ°āpla/ǵ°āpla red copper.
- *ǵ°a(n)la -- B ǵ°āla T ǵ°ānla/ǵ°āla to wither (of plants).
- *ǵ°amela -- T ǵ°amela/ǵ°amela food taken along on trip (-mə- poss. syllabi-fied connective, cf. *Pǵ°amešxe, *lameš'e).
- *ǵ°axe -- T pe-ǵ°axe/... to take stg. to meet sb., in sb.'s direction.
- *ǵ°ašxa -- B ǵ°āšk:a/ǵ°āšxa to chew (as ruminant, or person chewing gum).
- *ǵ°a(r)ǵe -- T ǵ°a(r)ǵe/ǵ°aǵ to roar (as lion), to howl, weep loudly.
- *ǵ°ag°e -- B ǵag°e, ǵ°ag°e/ǵ°ag° road.
- *ǵ°ak°a -- T ǵ°āk°a/... to lose its way, go astray (of cattle), T ǵ°arek°a animal gone astray.
- *ǵ°a(n)Tk°a -- T ǵ°ā(n)tk°a/... drop (of water, etc.).
- *ǵ°ax°e -- T ǵ°afe/... zinc.
- *ǵ°aš°a -- B ǵ°āš°a/ǵ°āš°a to howl, roar, holler, B also to speak loud.
- *ǵ°ag°a -- B ǵ°āg°a/ǵ°āg°a to thunder, roar (as guns).
- *ǵ°alña -- T ǵ°ālña/... to brood, sit on eggs.
- *ǵ°alña -- T pe-ǵ°ālña/... to follow; to catch hold of.
- *ǵ°(a)ye -- B ǵ°eye T ǵ°(a)ye/ǵ°ay thicket, cf. T šñā-re-ǵ°e id.
- *weǵ°aye -- T weǵ°aye/weǵ°ay to collect, bring together.

- *ǵ°aya -- B -ǵ°āya/-ǵ°ay difficult. Cf. ǵ°aš°a.
 *ǵ°awə -- B ǵ°awə/ǵ°aw town-crier.
 *ǵ°ama -- T ǵ°āma/ǵ°āma smell/foul, filth.
 *ǵ°ane -- T ǵ°ane/... rotten wood (used for smoking out bees).
 *ǵ°an(a) -- B ǵ°āna/ǵ°āna hole, wəǵ°ane/wəǵ°an to make a hole in stg., tr.

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|-----------|---|--|------------|---|
| *bəǵ°ə | T | <u>pedigreed bull</u> | *daǵ°a | <u>defect, shortcoming</u> |
| *c:aǵ°ə | | <u>to gnaw</u> | *tə(r)ǵ°a | <u>to soften, ripen</u> |
| *'caǵ°ə | T | <u>weak, frail</u> | *c:əǵ°a | <u>mouse</u> |
| *čh'əǵ°ə | | <u>salt</u> | *Pseǵ°a | <u>thin (cylindrical)</u> |
| *Pč:'aǵ°ə | | <u>stake, pole</u> | *səǵ°a | <u>to wear mourning</u> |
| *žaǵ°ə | | <u>chin/base of lower jaw</u> | *šəǵ°a | <u>important, interesting, rare; astonished</u> |
| *žaǵ°ə | | <u>foot of mountain</u> | *š°əǵ°a | <u>(to) envy</u> |
| *l(a)rǵ°ə | | <u>callosity, corn</u> | *š°aǵ°a | <u>pale</u> |
| *laǵ°ə | B | <u>person of the same age</u> | *ž°aǵ°a | <u>star</u> |
| *Plaǵ°ə | | <u>shoulder-blade</u> | *ž'aǵ°a | <u>odious, unpleasant</u> |
| *ǵ°əǵ°ə | | <u>story, account, report</u> | *Pčh'aǵ°a | <u>mist, haze</u> |
| *ǵ°əǵ°ə | | <u>difficulty/difficult</u> | *č:aǵ°a | T <u>to settle (of turbid fluid)</u> |
| *Pšamǵ°ə | | See *PšamPǵ°ə | *laǵ°(a) | <u>to see</u> |
| *ǵaǵ°ə | | <u>to have mercy</u> | *laǵ°a | <u>path, track, trail</u> |
| *q:°aǵ°ə | B | <u>corner</u> | *ləǵ°a | <u>to be singed</u> |
| *q:°aǵ°ə | | <u>skinny, lean</u> | *Plaǵ°a | <u>dragon, K also crocodile</u> |
| *Thaǵ°ə | | <u>(ear)ring</u> | * (P)kaǵ°a | <u>soot</u> |
| *haǵ°ə | S | <u>treebark basket</u> | *kh°əǵ°(a) | <u>yolk</u> |
| *yaǵ°ə | | <u>nasty, malevolent, enemy</u> | *Pq:əǵ°a | <u>thing, object</u> |
| *waǵ°ə | | <u>drought</u> | *q̄aǵ°a | <u>nearby</u> |
| *naǵ°ə | T | <u>crop of bird</u> | *q̄°əǵ°a | <u>smoke</u> |
| *baǵ°a | | <u>to be(come) rich (harvest)/
to multiply, itr.</u> | *ǵ°aǵ°a | <u>to thunder, roar (as guns)</u> |
| *t:əǵ°(a) | | <u>to steal; thief</u> | *yaǵ°a | T <u>mistletoe</u> |
| *daǵ°(a) | | <u>good</u> | *məǵ°a | <u>poor, unfortunate</u> |

112. Pǵ°

- *Pǵ°ə -- B bǵ°ə/bǵ°ə side, edge (of anything).
 *Pǵ°(a) -- B bǵ°(a)/bǵ°(a) nine (times).
 *Pǵ°a -- B bǵ°a/bǵ°a broad.
 *Pǵ°a -- B bǵ°a/bǵ°a sheep's carcass.
 *Pǵ°es(a) -- T bǵ°ese S bǵ°esa/... large sheepskin blanket, S also felt foundation in cradle.
 *Pǵ°eza, -ža -- B bǵ°eza, bǵ°əža/bǵ°əza narrow, tight.

- *Pǵ°enǵ°e -- T bǵ°enǵ°-aw/bǵ°enǵ° inclined, bent, crooked.
 *(P)ǵ°e(P)š:e -- B bǵ°eš:e/ǵ°eṣṣ millet-straw.
 *Pǵ°enla -- .../bǵ°enla to tilt, list, itr.
 *Pǵ°aǵ°e -- Š bǵ°aǵ°e/... steppe.

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|---------------|------------------------------------|-----------|---------------|
| *ǵaPǵ°e | T <u>piece (of cloth, leather)</u> | *haPǵ°a | K <u>nest</u> |
| *Pǵa(m)(P)ǵ°e | <u>board, plank</u> | *nePǵ°(a) | <u>quail</u> |
| *wePǵ°e | <u>to spread, tr.</u> | *naPǵ°a | B <u>nest</u> |
| *ǵ°ePǵ°a | <u>field, steppe</u> | | |

113. ħ

- *ħ(a) -- B ħe/ħe to carry (off), tr., B ye-ħa/ye-ħa to carry into, tr.
 *ħa -- B ħa/ħa to go (only w. local prefixes).
 *ħa -- B ħa/ħa barley.
 *ħa -- B ħa/ħa dog.
 *ħež°a -- B ya-ħež°a/... to yearn, pine for.
 *ħeḷa -- T ħeḷa/... difficult.
 *ħada -- B ħada/ħada corpse.
 *ħanc^ha -- B ħanc^ha/ħanca wooden spade.
 *ħac:a -- .../ħaǵa grain (of corn, sand), cf. T pšaǵ°āca grain of sand (pšaǵ°a sand).
 *ħasa -- B ħasa/ħasa bed (in garden), plot.
 *ħaPse -- T ħāpse/ħaps pit for keeping prisoners, T also prison (Tu hapis).
 *ħarza -- T ħārza/... swan; breaker (wave).
 *ħarza -- T ħārza/... to soar, hover. Cf. *x°arza.
 *ħa(n)ǵ°a -- B ħānǵ°a/ħava square stack, rick of hay, straw (cf. *š^ha(n)ǵe).
 *ħaṣ°a -- B ħāṣ°a/ħafa rubber.
 *ħaṣ°e -- T ħāṣ°e/ħav puppy.
 *ħaǵ°(a) -- B ħāǵ°(a)/ħaǵ(a) to grind, (in)tr.
 *ħač°a -- B ħāč°a/ħaṣa guest.
 *ħaPš:°a -- B ħāpš:°a/... to pant, breathe heavily.
 *ħ(a)ḷa -- B ħeḷa/ħala burden, heavy, difficult.
 *ħaPḷe -- B ħāpḷe/... brown.
 *ħal(a) -- B ħāle/ħala wedge.
 *ħaPla -- B ħābla/ħabla quarter of village (Tu havālī).
 *ħaka -- .../ħaka hiccup.
 *ħa^m/Pka -- T ħāpč°a/ħamka gallop (Š ħāpska).
 *ħaš°xe -- T da-ħāš°xe/de-ħašx to laugh at sb., itr./to laugh.
 *ħakh°e -- B ħāk^h°e/ħak° fireplace, oven.
 *ħak°a -- .../ħak°a honeycombs with honey.

- *hax^oe -- B hāfē/hax^o object borrowed, K also to win (as money), S collective aid.
- *haq:ə -- B hāq:ə/hāq' duty, obligation, T also truth, fate (Tu hak).
- *haq^ho a -- T hāq^oāq^oa/hāq^oāfa water-trough for cattle/trough (analysis uncertain; may contain *q^hoāq^oa, but cf. also q^o(a) to drink).
- *haq:°(a) -- T hāq^oe/K dial. hāq^oa to bark/to make noise.
- *hāq^oe -- T hā^oe/... mushroom.
- *hawa -- B hāw/hawa no.
- *ham(a) -- B hāma/ham threshing-floor.
- *hara -- T hāra/hara buffalo (cf? Georg. xari ox or Tu hāra stud).

(In units CVhV the vowel-correspondences show peculiarities. In K, Cə- and Ca- are not distinguished before h, and only Cə is written. Frequently B Cāhē corresponds to T Cəhā, and each of these is considered evidence for final -hā. Except in *lañā, based on S evidence only, all initial segments are given as Cə-).

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|------------------------|---------------------------------|--------------------------------------|---------------------------|
| *Txəñe | K <u>threading of screw</u> | *Pžēñā | <u>autumn, S winter</u> |
| *p ^h ēñā | <u>to cry, howl, sob</u> | *lañā | S <u>rivulet</u> |
| *c:əñ(a) | <u>faith, confidence</u> | *gēñā | <u>to weed with a hoe</u> |
| *Pseñ(a) | <u>to temper (metals)</u> | *kēñ(a) | <u>long</u> |
| *señ(a) | <u>deer</u> | *g ^o e(r)ñ(a) | <u>pleasant, tasty</u> |
| *č ^h ēñ(a) | <u>to provoke sb.</u> | *qēñā | <u>part, share</u> |
| *č ^h ēñā | <u>to roll, wind, wrap</u> | *q ^h oēñā | <u>boat, ship</u> |
| *č ^o ēñ(a) | <u>esteem, honor, authority</u> | *š ^o x ^o ēñ(a) | <u>sorcery/poison</u> |
| *Pč ^o ēñ(a) | <u>dream</u> | | |

114. Th

- *Thā -- B thā/thā God, deity.
- *Thā -- B thā/thā ear, cf. *Thāg^oe, *Thak^ho a, etc.
- *Thā(m)p^ha -- B thāp^ha/thā(m)pa leaf of tree, also in T thāpa-fe grey-bearded (-fe white), K la-thā(m)pa front part of foot la.
- *Th(a)(m)be -- B thābe-le S thēbe, thābe/thāmbē-l lungs (le flesh).
- *ThāPz(a) -- B thābza/thābza token, mark, K ʔ^oax^o-thābza service (ʔ^oax^o business, affair), K wethābz to mark animals by cutting a piece off the ear.
- *Thāq:°e -- B thāq:°e/thāv dough made of wheat-flour.
- *Thāč^o(a) -- B thāč^o(a)/thāš to wash, (in)tr.
- *Thāla -- B thāla/thāla to stifle, smother.
- *weThāga -- .../wethāga to entreat, make complaints (cf. T thāwesex complaint).
- *Thāka -- .../thāka brim of hat.
- *Thak^ho a -- B thāk^ho a/... with short, flapping ears (of horse), cf. B thā-k^omāk^ho a with short ears.

- *Tḥak°e -- B tḥāk°e-ma/tḥāk°e-ma ear (for -ma cf? *t:ama wing).
 *Tḥax°e -- .../tḥax° dark-colored cattle or sheep with white ears.
 *Tḥaq:°e -- T tḥāq°e-fa/tḥāq° to steal/to confiscate, abduct (T -fa = ?).
 *Tḥarq:°a -- T tḥārq°a/tḥāreḡ°a pigeon, dove.
 *Tḥaḡ°e -- T tḥāḡ°e/... boot-top.

- *Pc:a(n)Tḥa joiner's glue shoulder w. leg (of animal)
 *ḡ°eTḥa to relieve oneself, urinate
 *PlaTḥa K collarbone, shoulder-blade, *PsaTḥa K a heathen god

115. ṣḥ

- *ṣḥa -- B ṣḥa/ṣḥa head, bulb, ear of corn, top, roof, beginning, etc.
 *ṣḥapḥa -- See Pṣḥapḥa.
 *ṣḥantḥa -- B ṣḥāntḥa/ṣḥanta pillow, cushion.
 *ṣḥanda -- B ṣḥānda/... bush, shrub.
 *ṣḥata -- T ṣḥatā-bḡ°a/... with broad bḡ°a forehead. Cf. *naṭa.
 *ṣḥacḥe -- B ṣḥācḥe/ṣḥac head-hair.
 *ṣḥapca -- T ṣḥāpca Ṣ ṣḥāpṣa/... bare-headed.
 *ṣḥapse -- .../ṣḥaps light-headed, giddy.
 *ṣḥaza -- T ṣḥāza/ṣḥaza "die Drehkrankheit der Schafe" (Russ. vertjačka).
 *ṣḥašḥ'a -- B ṣḥāšḥ'a/ṣḥaṣa bow, greeting.
 *ṣḥale -- B ṣḥāle/ṣḥal mill, T ca-ṣḥāle/ṣa-ṣḥal molar (*c:a tooth).
 *ṣḥaxe -- B ṣḥāxe/ṣḥax laziness, slowness, indolence.
 *ṣḥak°a -- B ṣḥāk°a/ṣḥak°a offense taken, touchiness.
 *ṣḥax°(a) -- B ṣḥāfe/ṣḥax°a separate.
 *ṣḥaq:a -- T ṣḥāqa/... stupid. Cf. *q:(a).
 *ṣḥaḡ°e -- T ṣḥāḡ°e/ṣḥaḡ° top edge/front part of bride's headdress, T pca-ṣḥāḡ°e/bza-ṣḥaḡ° threshold.

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|---------|---|----------|--|
| *zaṣḥe | <u>alike, similar</u> | *x°eṣḥa | K <u>to yawn</u> |
| *pḥaṣḥa | <u>in presence of, K also place of honor away from door</u> | *q:°eṣḥa | <u>mountain, K also Ossetian, Balkar</u> |
| *Plaṣḥa | K <u>part of room opposite door</u> | *q'°eṣḥa | <u>poppy</u> |
| *Pḡeṣḥa | <u>mountain-top, upper edge</u> | *q'°aṣḥa | <u>barrow/hill</u> |

116. lḥ

- *lḥa -- B lḥa/lḥa to lay, put, tr. (only w. local prefixes).

- *ḡ°alḥa T to brood, sit on eggs *ḡ°alḥa T to follow, catch hold of

117. h

- *ha -- B ā-r/ha-r that (ille) (-r absolute case).
 *haba -- T āba/haba chasuble-type garment.
 *hat:a -- B y-āt:a/hada father (y- 3rd pers. possessive). Cf. *t:(a).
 *hada -- T āda/... tumor, swelling.
 *haPse -- T āpse/... wooden bowl.
 *haṣ°a -- B āṣ°a/hafa coat of mail.
 *hač:a -- B āč:a/haža he-goat.
 *haPla -- S ābla/... a kind of wheat.
 *haPk:ə -- B āpč:°e/habg glass, window-pane (Oss. avg(æ)).
 *haPğa -- S ābğa/... divan, couch.
 *haḡ°e -- S āḡ°e/... fig.
 *hağ°e -- S āğ°e/... treebark basket.
 *haPğ°a -- .../habğ°a nest (B nābğ°a).
 *hawa -- āwa/hawa but (poss. modal case of *ha).
 *hana -- B y-āna/hana mother (y- 3rd pers. possessive). Cf. *n(a).

118. y

- *ye -- .../ye file (implement).
 *y(a) -- B y(a)/y(a) eight (times).
 *y(a) -- B y(a)/y(a) to coat (the walls of a house), (in)tr.
 *ya -- B ya/ya bad, evil; as a suffix w. animal names dung, manure.
 *ya -- B fā-ya/x°-ay to wish, itr. (*x°a- for).
 *yene -- B yene/yen big, large.
 *yeze -- T yeze/yez antiquity; ancient.
 *yath^ha -- T yāta/yāta to rage (of storm), swell (of wound)/to let oneself go, become insolent.
 *yata -- B yāta/yāta clay, earth, K also mud.
 *yančə -- .../yanč long pole, lever.
 *yase -- T yase/yas manly/tall and well-built (person).
 *yaPze -- B yabze/yabz stable manure/slops, swill from stable manure.
 *yaž°a -- B yāž°a/yāža ashes.
 *yaPğa -- B yābğa/yābğa fierce, nasty (as dog), K also brave.
 *yağa -- B yāğa/yāğa eruption, rash, pimple/fault, cause (of stg. bad).
 *yaq^h°e -- B yaq^h°e/yaq° cud/entrails.
 *yağ°e -- B yağ°e/yağ° nasty, malevolent; enemy.
 *yağ°a -- T yāğ°a/... mistletoe.
 *yaya -- T yāya/yāya very fat (e.g. cow), K also round, cylindrical.
 *yane -- .../yan whole (e.g. day).

*p:eye	<u>enemy</u>	*žeya	<u>to stand apart, avoid stg.</u> (*zə-šh'e-)
*baye	<u>rich</u>	*Pčeya (-ye?)	T <u>ore</u>
*beye	<u>to stick out, be visible</u>	*wəsay(a)	<u>to lean</u>
*daye	<u>to cool off, harden, grow numb</u>	*zeya	<u>to lift up, turn face up</u> (*da-ša-)
*daye	B <u>bad</u>	*Pzay(a)	<u>to lick</u>
*taye	S <u>damp</u>	*wəšey(a)	<u>to admonish, exhort</u>
*c:aye	<u>mate, partner</u>	*šaya	S <u>squirrel</u>
*Pčeye (-ya?)	T <u>ore</u>	*žeya	<u>small</u>
*saye	<u>to be filled up (as ditch)</u>	*š°ey(a)	<u>to whistle</u>
*Psaye	<u>black maple/spruce, fir</u>	*š°aya	B <u>rat</u>
*lžeye	<u>(light)ray</u>	*č:eya	<u>to sleep</u>
*Pžeye	K <u>corn-stalk</u>	*łaya	<u>woollen gaiters</u>
*š°eye	T <u>to squeak, cheep</u>	*łaya	<u>to move in jumps, B also to go to roost</u>
*š°aye	<u>dirty</u>	*leya	<u>superfluous, harm</u>
*čh'(a)ye	<u>to stick out (as hand)</u>	*kħaya	<u>tub</u>
*Pč: 'aye	<u>plane-tree</u>	*geya	K <u>smooth (of ice)</u>
*wəleye	<u>to rust</u>	*gaya	<u>sheat-fish/whale</u>
*kħeye	<u>wattle</u>	*kaya	<u>ash-tree</u>
*k:eye	<u>(inside of) throat</u>	*Pkaya	<u>maple</u>
*kēye	<u>to shriek, howl</u>	*xeya	<u>innocent</u>
*kaye	T <u>valley</u> S <u>stream</u>	*xaya	S <u>a measure of millet (144 bundles)</u>
*kħ°aye	<u>(quarter of) settlement</u>	*gēy(a)	<u>to chide</u>
*x°aye	<u>white maple/kind of birch</u>	*gēya	<u>dove-grey</u>
*Tx°aye	<u>beech, hornbeam</u>	*g°eya	T <u>malicious, mean</u>
*q:aye	<u>to belch, B also hiccup</u>	*g°eya	S <u>quantity of grain which fills one mortar or oven</u>
*xeye	K <u>excitement, fury</u>	*wəq:aya	See *wəq:°aya
*šxaye	See *šgaye	*q°aya	<u>foot-and-mouth disease</u>
*šgaye	<u>small (potatoes, change)</u>	*wəTx°aya	S <u>to get covered w. mould</u>
*q:°eye	<u>mangy</u>	*g°aya	<u>difficult</u>
*q°aye	<u>to bleat</u>	*yaya	<u>very fat (e.g. cow), K also round, cylindrical</u>
*x°aye	<u>in abundance</u>	*waya	<u>bad weather</u>
*Tx°eye	<u>polygonum convolvulus</u>	*məya	<u>wild apple tree</u>
*g°(a)ye	<u>thicket</u>	*maya	K <u>nutritious, rich (food)</u>
*wəg°aye	<u>to collect, bring together</u>	*naya	<u>spite, anger, malice</u>
*beya	S <u>mole (zool.)</u>		
*t:aya	B <u>(package of) neatly arranged things</u>		
*tēya	<u>to stick out, stand on end, be bent upward</u>		
*chēya	<u>cherkeska</u>		

119. w

- *we -- B we/we to put into, insert, thread (a needle), tr. (only w. local prefixes).
- *we -- T tya-we/tay-w to stop (of rain), change for the better (of weather), itr. (*t^hya- surface, on).
- *w(a) -- B w(a)/w(a) to beat, strike, shoot, sting, attack, itr. (*we only w. local prefixes), B wa/wa to smoothe (a threshing floor), tr.
- *w(a) -- T wa/... to shrink, collapse, itr., T pe-we/... to diminish, itr. (pe- tip).
- *wa -- B wa/wa to plait (a round galloon of silk), tr.
- *wa -- B wa-s^oe/wa hail (meteorol.).
- *wa -- B wa-/wa- weather, air, sky, cf. *wase, *wag^oe, etc.
- *wa -- B wa/wa you, sing.
- *web(a) -- B web(a)/web(a) to trample, pound, crush; to slander, (in)tr.
- *we²pa -- B we²pa/we²pa to cut open (an animal)/to skin.
- *wet^ha -- B wet^ha/weta to trample, to knead clay with the feet.
- *wet:(a) -- B wet:(a)/wed(a) to pound, thresh (sunflower seeds, maize), beat (egg), knead, break off.
- *wet:(a) -- T ya-wete/weda to sow by hand, K xa-weda to strew, pour into (e.g. flour into dough) (xa- mass).
- *wede -- B wede/wed witch.
- *wec:e -- B wec:e/weʒ grass.
- *weP²ce -- .../wep²c to splash, spatter, tr.
- *weʒ^oca -- B ʒe-weʒ^ota/... bruise (ʒe blood).
- *wes(a) -- T wese/wes(a) to compose (song), write (story), (in)tr., K we-sa verse, poem.
- *wePs(a) -- B wepse/weps(a) to plane, shave (also shave the face), (in)tr.
- *weze -- B weze/wez pain, disease.
- *wePza -- T webza/webza to try to ingratiate oneself.
- *weʒe -- T weʒe/weʒ to trot.
- *weʒa -- T weʒa/... to stuff, fill.
- *weʒ:(a) -- B weʒ:(a)/wev to stand (up), to stop, halt, B weʒ:(a) to get tired, B t^hya-weʒ:(a)/tay-weva to step on *t^hya-.
- *weʒ^oa -- .../wefa to cover, itr. and tr. Cf. *ʒ^oa hide, etc.
- *weč^h’e -- T qa-weš’ē/qa-weš to wake up (*q:a- hither).
- *wePč²’(a) -- T wepč²’a/pe-wepš² to mow off, cut off (pe- tip), K xa-wepš²a to make a notch (xa- mass).
- *wePč²’a -- B wepč²’a/wepš²a felt.
- *wež²’(a) -- B wež²’e/weʒa weasel.
- *wePč²(a) -- B wepč²a/wepš²a, ya-wepš² to ask.
- *w(a)če -- B wačē/weš open place at riverbank/to gape, open wide (mouth, hand).
- *weže -- B weže/ʒa-weʒ tracks (ʒa foot).

- *wēpla -- B wēbla/wēbla to begin.
- *wēge -- B wēǵ'e/wēg a round dance with singing.
- *wēke -- B wēč'e/wēk to kill.
- *wēxe -- B wēxē/wēx to finish.
- *wēt(x)a -- B wēt(x)a/wēt(x)a to splash, spatter. (in)tr. Cf. Twēǵ°ent(x)a/wēbǵet(x)a to spit, itr.
- *wēx°a -- T wēfa/zē-wēx°a to bend, tr./to bend oneself zē-.
- *wēx°a -- .../wēx°a to build, tr.
- *wēt(x)°(a) -- Š xa-wētfa, ya-wētfe/... to thrust, stab, prick, itr. (xa- mass).
- *wēšx°a -- T wēšx°a/... to spread out, tr.
- *wēq:ə -- T wēqe/wēq̇ to open wide, distend, tr.
- *wēqa -- B wē'a/wē'a to wound, tr.
- *wēšǵ(a) -- B to peel, pearl (barley), (in)tr.
- *wēq^ha -- B wēq^ha/wēq°a to break off and fall down/to whirl up, K wēq°a-ž to be scattered all over (-ž again, as previously), B x-ya-wēq^ha to make a mistake, ŠM wēš°a to cause a defect, foul up, K ǵa-wēq°a to destroy (e.g. a bird's nest).
- *wēq:°(a) -- T š'e-wēq°a/šha-wēq°a top part drops down/to doze (the latter in T šha-wēqa). The T form quoted may reflect *wēq^ha.
- *wēq°(a) -- B wē°(a)/wē°(a) to peck, (in)tr. (T, K tr. also to sharpen by hammering (as scythe)).
- *wēš°a -- T wēš°a/wēš°a-nṧ easy to split/to limb, remove branches from, tr.
- *wēpš°e -- T wēpš°e/... to touch up, rectify, to cut (hair).
- *wētš°a -- T wētš°a/wētš°a to become turbid, muddy (of water).
- *wēpǵ°e -- B wēbǵ°e/wēbǵ° to spread, tr.
- *wēma -- T wēma/wēma wooden club for hammering in piles, wedges, etc.
- *wēna -- B wēna/wēna house.
- *wēpska -- .../ša-wēpska to rock, swing, tr. (ša- under).
- *wēstš°a -- T wēstš°a/... to glow (as coals).
- *wāt:a -- B wāt:a/wāda hammer.
- *wādē -- B wādē/wād thin (of person).
- *wāsē -- B wāsē/was snow.
- *wāsa -- B wāsa/wāsa price.
- *wāš°e -- B wāš°e/... hail (meteorol.).
- *wāš°a -- B wāš°a/wāfa sky, heaven.
- *wāš'°e -- B wāš'°e/wāḟ fine weather.
- *wāš^h'e -- B wāš^h'e/wāṧ axe.
- *wāla -- B wāla/... to totter, reel, T wave, to undulate.
- *wāla -- .../wāla cloud.
- *wāxē -- T wāxē/wāx lowland, depression (geogr.).
- *wāš'xē -- B wāš'xē/wāšẋ rain.
- *wāǵ°e -- T wāǵ°e/wāǵ° sky, heaven.
- *wāǵ°e -- B wāǵ°e/wāǵ° freckled, T also grey.

- *warq:ə -- T warqə/warq̄ nobleman.
 *wāga -- B wāga/wāga ribbon, lace, galloon, T also to braid, weave.
 *waḡa -- T waḡa-n/... to churn (butter).
 *waḡ°ə -- T waḡ°ə/... to err, miss a target.
 *waṣṡ°ə -- .../waṣṡ° to misfire.
 *waṣṡ°a -- .../wāṣṡ°a (blue) sky.
 *waḡ°ə -- B waḡ°ə/waḡ° drought.
 *waya -- B wāya/wāya, way bad weather (snow, rain, storm, cold).
 *wame -- .../wam hot weather, stifling.
 *wana -- B wāna/wāna saddle.
 *ware -- T ware/war wave; turbulent.

- | | | | |
|---------|---|----------|--|
| *bewe | to moo | *ḡewe | B <u>grey shrike</u> T <u>jay</u> |
| *t:ewe | <u>storehouse for grain</u> | *ḡ°awe | T <u>deep ravine</u> |
| *tawe | T <u>to bump (one's head)</u> | *ḡ°awe | <u>town crier</u> |
| *cewe | <u>to shine, glitter</u> , K also <u>to squeak, cheep</u> | *maw | <u>thither/that (iste)</u> |
| *Pcawe | B <u>to yelp</u> | *baw(a) | <u>to kiss/to breathe</u> |
| *Psawe | <u>to live</u> , K also <u>healthy, whole, all</u> | *dewa | <u>leech</u> |
| *Pzewe | <u>sparrow, bird (generic)</u> | *dawa | <u>to quarrel, have a lawsuit</u> |
| *zawe | B Russ. <u>xozjain</u> | *zewa | T <u>sack</u> |
| *s°awe | <u>honey</u> | *Psawa | T <u>to take aim</u> |
| *z°awe | <u>to buzz, hum</u> | *zawa | <u>war, battle</u> |
| *čh°ewe | <u>to salt</u> | *sawa | <u>youth, esp. bridegroom</u> ,
T also <u>son</u> |
| *Pč°awe | <u>to yelp</u> | *zewa | Russ. <u>podpevat'</u> |
| *čhawe | <u>horseman</u> | *ž°aw(a) | <u>shadow, shade</u> , K also <u>para-</u>
<u>sol, umbrella</u> |
| *lawe | <u>pig</u> | *čhawa | <u>horse-driver, teamster</u> |
| *welawe | T <u>to get tired</u> | *lawe | <u>scalpel for blood-letting</u> |
| *khawe | <u>wattle fencing; farmstead</u> | *Pkawa | K <u>grasshopper</u> |
| *S°xewe | <u>sour milk</u> | *Txewa | <u>to kick (of horse)</u> |
| *k°owe | <u>deep</u> | *g°awa | <u>(to cause) injury</u> |
| *k:°owe | <u>to shout</u> | *ñawa | <u>no</u> |
| *q:ewe | <u>swan</u> | *hawa | <u>but</u> |
| *Pq:awe | <u>pillar, post</u> | *n(a)wa | <u>old woman, granny</u> |

120. m

- *me -- B me/me wild apple.
 *me -- B me-/me- this (hic).
 *me -- B me-/me- negative prefix, cf. *meḡ°ə, *meḡ°a, etc.

- *ma -- .../ma there you are! (handing stg.) (B mā).
- *ma -- B ma/ma smell, odor.
- *mes(a) -- B mesa/ma guilty, culprit, T also foreign, K also dishonest, uneducable, T wē-mesē/wē-mes to unmask, catch in a lie, prove wrong, tr.
- *meša -- B meša/meša bear.
- *mež^oa -- B mež^oa/meva stone.
- *meč(a) -- B meča T meče/meša precious stone (set in ring).
- *mēle -- B mēle/mel ice.
- *mešk^oe -- B mešk^oe/mešk^o acorn. Cf. *mešx^oe.
- *mešx^oe -- ŠM mēfe/mešx^oe(m)pa acorn. Cf. *mešk^oe.
- *meSTħa -- B meštħa Š mešħa/... ash-tree, Š T elm.
- *meħ^oe -- B meħ^oe/meħ^o unripe.
- *meSTħ^oe -- T meštħ^oe/... pitch, refined wax.
- *meğ^oa -- B meğ^oa/meğ^oa poor, unfortunate.
- *meya -- B meya/may wild apple tree.
- *maw -- B maw/maw- thither/that (iste).
- *mat^ha -- B mā^ha/māta basket, beehive.
- *maSt^ha -- B māst^ha/māsta needle.
- *ma(r)t:a -- T māta/mārda quantity, measure.
- *mača -- B māča/māča locust.
- *maze -- B maze/maz forest.
- *maza -- B māza/māza moon, month.
- *maš^oa -- B māš^oa/māfa fire.
- *mač^he -- B maš^he/maš millet (on the field), T maq^o-maš^he/maq^omaš api-culture, cf. *maq^oe.
- *marž^ha -- T mārž^h/mārža (interjection) let's go!/call (to a group).
- *māč^ha -- B māč^ha/māša (a) little, few.
- *maž^ha -- B māž^ha/māža comb.
- *maš:a -- B māš:a/māša hole, hollow.
- *male -- B male/mal sheep (cf. Tu mal possession).
- *maška -- .../māška spark.
- *max(a) -- B maxe/max to faint, to be tired, worn out, māxa/māxa weak (of things), brittle.
- *mark^ha -- B mārkh^ha/mārkh^ha tapeworm.
- *mark^oa -- T mārkh^oa/mārkh^oa mulberry, blackberry, Š wild strawberry/berries (generic). K ā unexplained.
- *max^oa -- B māfa/māx^oa day.
- *max^oa -- B māfa/māx^oa happy.
- *wemaħe -- T wemaħe/... to bless, to baptize.
- *maħa -- T māħa/... sharp pain due to inflammation of nerve.
- *maq^oe -- B maq^oe/maq^o hay.
- *maq^oe -- T ma^oe/ma^o shield.

- *maya -- .../māya nutritious, rich (of food).
 *wemama -- .../wemāma to wag the tail.
 *mana -- B māna/māna penis.

- | | | | |
|-----------------------|-----------------------------------|---------------------|-------------------------------------|
| *č:ame | cow | *zama | <u>cakes for funeral repast</u> |
| *Pžeme | T <u>fist</u> | *Pžama | T <u>bunch of hemp for spinning</u> |
| *k ^h ame | K <u>to be insufficient, lack</u> | *x(a)ma | <u>foreign, unknown, stranger</u> |
| *x ^o ame | <u>quiet, slow</u> | *k:ama | T <u>twig</u> (K -na) |
| *g ^o eme | <u>thick (cylindrical)</u> | *q:ama | <u>dagger</u> |
| *wame | K <u>hot weather, stifling</u> | *q:ama | S <u>twig</u> |
| *p ^h am(a) | <u>to smell</u> | *x ^o ema | <u>to protect, save, spare</u> |
| *bama | <u>stench</u> | *g ^o ama | <u>smell/foul, filth</u> |
| *t:ama | <u>wing</u> | *ñam(a) | <u>threshing-floor</u> |
| *s(a)ma | <u>ill; left (side)</u> | *wema | <u>wooden club for hammering</u> |
| *sama | <u>heap</u> | *wemama | K <u>to wag the tail</u> |

121. n

- *n(a) -- B ne, yāna/hana mother, B nāna/nāna mamma/grandmother, granny.
 *n(a) -- B q:a-na-n/qā-na to remain (*q:a- hither; often with other, local prefixes), B xa-ne/xa-n to miss out on stg., remain without (xa- mass, group).
 *na -- B na/na eye (also of needle).
 *na -- B č'a-na-n/š'a-na to catch fire (*č'a- lit. under), T xa-ša-nā-ša lighted (xa- mass, -ša past), K pe-ša-na to light (pe- tip).
 *na -- B -na/-na suffix of fractional numbers, e.g. *Pša-na one fourth.
 *nep^he -- .../nep flag.
 *neba -- B neba/neba belly.
 *nePča -- S nepša/... intestines.
 *nesa -- B nesa/nesa (father's) brother's wife, daughter-in-law (cf? IE *snusó-, also Tu nisa women).
 *neč^h'e -- T neš'e/neš animal killed in honor of guest.
 *nePž'e -- B nebž'e/nebž age, K also shadow (in T nebž'eq^o).
 *neg(a) -- B než'e/nega floodlands, water-meadow, T also sandbar.
 *nexe -- T nexe/... aspen.
 *n(a)Sk^oe -- B ša-we-našk^oe/ša-nešk^o to chew.
 *nex^oe -- .../nex^o sheep's rectum.
 *neq:oa -- B neq:oa/neq^oa half; to be in need of.
 *nePğ^o(a) -- B nebğ^oe/nebğ^oa quail.
 *nap^ha -- B nāp^ha/nāpa face.
 *na^hpa -- B nāpa/nāpa eyelid.
 *nart^he -- B nārt^he/nārt Nart (mythical hero).

- *nat:ə -- T nate/nad goatskin sack.
- *nade -- T nade/... fine (about mesh).
- *nada -- T nāda/nāda empty, without kernel (as seed, nut).
- *wenate -- .../wenat to direct, level at, tr., to be directed to, itr.
(the T counterpart is fa-weč'enate).
- *nata -- B nāta/nāta forehead.
- *nalc:a -- B nāpc:a/nābza eyebrow.
- *nača -- B nāča, č'a-nače/nāča, ša-nač to wish, desire, hanker for.
- *narče -- B napče/napč false, deceptive.
- *nafse -- B napse/naps tear(s).
- *naze -- B naze/naz hem, border, edge (of fabrics).
- *naza -- B nāza/nāza squint-eyed, B wēnāza/wēnāza head spins.
- *naša -- T nāša/... browridges.
- *naže -- T ya-naže/... to be keen on stg.
- *nafša -- B nāpša/nāpša browridges.
- *naš^oe -- B naš^oe/naf blind.
- *wenaš^oa -- T wēnāš^oa/wēnāfa order, instruction, decree. May contain *wena.
- *naš^oe -- B naš^oe/naf benevolent.
- *nač^ha -- T nāš^ha/nāša squint-eyed.
- *nač^oe -- B nač^oe/naš empty, not having eaten.
- *nač^oa -- T č'a-nač^oa/ša-nāša to chaff, tease, mock, itr.
- *nača -- B nāča/naša-ša hollow under eyes.
- *naš:a -- B nāš:a/nāša melon/cucumber, B naš:a-bag^oe cucumber.
- *nala -- B nāla/nāla a single (hair)/fibre, filament.
- *nag(a) -- T naž^oa-naž^oa/naga-naž^oa misshapen, K bzaga-nāga bad, nasty, evil, K wē-nag to disfigure.
- *naka -- T nāč^oa/nāka wink/outer corner of eye.
- *naxa -- S nāxa/... face.
- *na(r)Pg(a) -- S nabgē/narebga person (T nabgēra).
- *nag^oe -- B nag^oe/nag^o face.
- *nak^oe -- B nak^oe/nak^o face/cheek; mountainside.
- *nax^oe -- B nafe/nax^o light, clear.
- *nax^oa -- B nāfa/nāx^oa definite, clear, obvious.
- *naq:ə -- S naq:ə/... to flower, bloom.
- *napq:ə -- B napq:ə/napq cheekbone; riverbank.
- *naqa -- T nāqa/naqa attention, care.
- *našxe -- B našxe-ya/našx sad/(stern, angry) glance, K našx-ay sad, našxe-fa gay. Cf. *našgē.
- *naPga -- B nābga/nābga nearsighted.
- *našgē -- T nažgē/nažg eye-socket, T also glance, K also temple. Cf. *našxe.
- *naq^oe -- B naq^oe/naq^o face.
- *naq^oa -- B nāq^oa/nāq^oa well-known, distinguished, T also to give oneself airs, K also clear-cut, distinct.

- *naǰ°e -- T naǰ°e/naǰ° wide (of mesh)/big-eyed.
 *naǧ°e -- T naǧ°e/... crop of bird.
 *naPǧ°a -- B naǧ°a/... nest (K habǧ°a).
 *naya -- B nāya/nay spite, anger, malice.
 *n(a)wa -- B nēwa/nawa-ǰ old woman, granny (-ǰ old).

- | | | | |
|----------|---|------------|--|
| *bene | (children of) family | *ǰ°ana | hoe |
| *bane | coffin, T grave | *ǰh°ena | to be afraid |
| *ǰh°ene | pus, abscess, boil | *Pǰh°en(a) | to compensate, pay a debt |
| *ǰ:°ane | sharp (as knife), lively | *Pǰh°ena | accordion |
| *Pǰ:°ane | she-goat | *š:ena | B moist |
| *Pǰ°ene | onion | *λena | birds' fat |
| *š:ane | character/ manners | *λana | oath (*Tħa-) |
| *Plene | wall, corner | *Plana | doe |
| *kħene | top (toy for spinning) | *Plana | energetic, brave/strong |
| *kane | bone used for game | *gana | shirt |
| *ǧene | (gun)powder, K also poison | *kane | K piece, lump |
| *ǧene | beet, parsnip | *xena | lazy (šħa-) |
| *k:°ane | covered wattle granary | *Pǧena | to leave, desert |
| *wex°ane | K to plait, braid | *Pǧena | sheaf/tie around sheaf |
| *q:ane | ward, pupil | *k:°ana | See *k:°ama |
| *q:°ane | wood betony | *Sk°ena | T noose |
| *Pq°ane | T scale of fish | *Pq:ena | (dye made of) henna |
| *x°ene | K meadow grass | *qana | small 3-legged table |
| *ǧ°ane | T rotten wood (used for smoking out bees) | *Přana | T square on chessboard |
| *yene | big | *ǧana | K what is mowed off with one sweep of the scythe |
| *yane | K whole (e.g. day) | *q°ena | nail |
| *p:ana | prickle, thorn(bush), T also splinter | *Tq°ana | one wife in relation to other |
| *ban(a) | to fight | *x°en(a) | moth |
| *bana | to bark | *x°an(a) | to curse, use expletives |
| *pēna | small kerchief | *ǧ°ena | edge, border |
| *dana | silk | *ǧ°an(a) | hole |
| *ǰen(a) | moist, unripe, uncooked | *hana | mother |
| *Pǰan(a) | naked | *wēna | house |
| *sen(a) | (stone) idol, statue | *wana | saddle |
| *sana | grape | *mana | penis |
| *Psena | well/spring | | |
| *šena | lamb | | |
| *Pžana | finger-, toe-nail | | |

122. r

*St:ere	T	<u>hot, bitter, sharp (taste)</u>	*x°are	K	<u>parable</u>
*š°t:ere	T	<u>to kick</u>	*šx°are	T	<u>alarm, pursuit, chase</u>
*čh'ere		<u>young of animal or bird</u>	*ware		<u>wave; turbulent</u>
*Pčh'are		<u>fatty layer, fat</u>	*tara	T	<u>to sport, gambol (horse)</u>
*č:ere		<u>steel</u>	*ser(a)	K	<u>bitter (taste), beer</u>
*λere		<u>strip of skin, T also belt</u> (*š°a-)	*sera		<u>cupboard</u>
*k'ere		<u>thick, dense, long (hair),</u> <u>high (grass)</u>	*g°ar(a)		<u>a certain, some</u>
*Pxere		<u>sheaf, bundle</u>	*x°ara		<u>thoroughbred horse</u>
*q:ere		<u>stony land, rock</u>	*q:ara		<u>black</u>
*xare		<u>grating, K also lace</u>	*šxara	K	<u>north</u>
*Pxare		<u>alarm, pursuit, chase</u>	*q:°era	B	<u>dry stalks or grass/rough</u> <u>(as hides)</u>
*gare		<u>prisoner</u>	*nara		<u>buffalo</u>

123. Pš'th

*Pš'th(a) -- B pš'tha/pšte to boil (of milk), to ferment, B also to get puffed up. Prob. contraction of *Pš:et'ha, cf. *Pš:ē to swell up.

124. PSt:

*PSt:awe -- B pst:awe/... whole, all. Cf. *Psawe.

125. PSk^h

*PSk^ha -- B pčh'a š psk^ha/pska to cough.

*g°ePSk^ha š bronchitis

126. PSk'

*PSk'e -- B ze-ğa-pč'ē š ze-ğa-pske/ze-ğa-psk' to wash, bathe oneself ze-. Prob. contraction of *Pseke, cf. *Pse water, *ka to pour in.

*wePSka K to rock, swing, tr.

*x°aPSke lightning flashes; lightning

127. Pšk°

*Pšk°e -- .../ğa-psk° to hide, tr.

128. STx

*STxa -- T stxa/... to coarsen, chap, become rough.

*paSTxa to scratch

*meSTxa B ash-tree T elm

129. STx°

*meSTx°e T pitch, refined wax

*weSTx°a T to glow (as coals)

130. PSh

*(P)šnap^ha ---.../(p)šhapa useful, usefulness.

ADDENDA to p. 22 (no. 20. Pč, š°č)

*Pc:aš°ča lead (metal)

*q:əš°ča plum

*Pž'aš°ča drone

*weš°ča š bruise (lə-)

*leš°ča T š birthmark

ADDENDUM to p. 30 (no. 31. č^ho)

Mr. John Colarusso of Belmont, Mass., U.S.A. by letter calls attention to Be fāx°a to crawl along the ground; to rub against stg. (Alparslan and Dumézil, Journal Asiatique, vol. 252, 1964 p. 329), a welcome addition to the scarce E.Circ. representatives of *č^ho (to *č^hoax°a).

CORRECTIONS

P. 15 line 2: *q:°ert^he is not in its alphabetic place and should be shifted to the lower left column on p. 14.

P. 80 line 15: eliminate *ñəla (the word falls under *ñ(a)la).

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